API Well Number: 43013521040000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER 4X-5D-45 BTR	
2. TYPE OF WORK DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○	**3. FIELD OR WILDCAT** ALTAMONT
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO	**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
6. NAME OF OPERATOR BILL BARRETT CORP	**7. OPERATOR PHONE** 303 312-8164
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202	**9. OPERATOR E-MAIL** BHilgers@billbarrettcorp.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 1420H626261	**11. MINERAL OWNERSHIP** FEDERAL ○ INDIAN ◉ STATE ○ FEE ○
12. SURFACE OWNERSHIP FEDERAL ○ INDIAN ◉ STATE ○ FEE ○	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')	**14. SURFACE OWNER PHONE (if box 12 = 'fee')**
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')	**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Uintah and Ouray	**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ◉
19. SLANT VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○	

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	750 FNL 1262 FWL	NWNW	5	4.0 S	5.0 W	U
Top of Uppermost Producing Zone	810 FNL 810 FWL	NWNW	5	4.0 S	5.0 W	U
At Total Depth	810 FNL 810 FWL	NWNW	5	4.0 S	5.0 W	U

21. COUNTY DUCHESNE	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 810	**23. NUMBER OF ACRES IN DRILLING UNIT** 640
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1699	**26. PROPOSED DEPTH** MD: 8878 TVD: 8845
27. ELEVATION - GROUND LEVEL 5782	**28. BOND NUMBER** LPM8874725	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** 43-180

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	26	16	0 - 80	65.0	Unknown	8.8	No Used	0	0.0	0.0
SURF	12.25	9.625	0 - 1500	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown	190	3.16	11.0
							Halliburton Premium , Type Unknown	210	1.36	14.8
PROD	8.75	9.625	0 - 8878	17.0	P-110 LT&C	9.6	Unknown	890	2.31	11.0
							Unknown	680	1.42	13.5

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Venessa Langmacher	**TITLE** Senior Permit Analyst	**PHONE** 303 312-8172
SIGNATURE	**DATE** 03/19/2013	**EMAIL** vlangmacher@billbarrettcorp.com

API NUMBER ASSIGNED
43013521040000

APPROVAL

Permit Manager

RECEIVED: March 21, 2013

BILL BARRETT CORPORATION
DRILLING PLAN

4X-5D-45 BTR

Lot 4 (NW NW), 750' FNL and 1262' FWL, Section 5, T4S-R5W, USB&M (surface hole)
Lot 4 (NW NW), 810' FNL and 810' FWL, Section 5, T4S-R5W, USB&M (bottom hole)
Duchesne County, Utah

1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

Formation	Depth – MD	Depth - TVD
Green River	3,006'	3,006'
Lower Green River*	5,162'	5,140'
Douglas Creek	6,062'	6,030'
Black Shale	6,878'	6,845'
Castle Peak	7,092'	7,060'
Uteland Butte	7,402'	7,370'
Wasatch*	7,762'	7,730'
TD	8,878'	8,845'

*PROSPECTIVE PAY
The Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 289'

3. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment
0 – 1,500'	NU Diverter on conductor
1,500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

Hole Size	SETTING DEPTH (FROM)	(TO)	Casing Size	Casing Weight	Casing Grade	Thread	Condition
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1,500'	9 5/8"	36#	J or K 55	ST&C	New
8 ¾"	Surface	TD	5 ½"	17#	P-110	LT&C	New

RECEIVED: March 19, 2013

Bill Barrett Corporation
Drilling Program
4X-5D-45 BTR
Duchesne County, Utah

5. Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 190 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft^3/sx) circulated to surface with 75% excess. TOC @ Surface Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft^3/sx), calculated hole volume with 75% excess. TOC @ 1,000'
5 ½" Production Casing	Lead: 890 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft^3/sx). TOC @ 1,000' Tail: 680 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft^3/sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 6,378'

6. Mud Program

Interval	Weight	Viscosity	Fluid Loss (API filtrate)	Remarks
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 1,500'	9.5 – 10.0	26 – 36	NC	Freshwater Spud Mud Fluid System
1,500' – TD	9.0 – 9.6	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4400 psi* and maximum anticipated surface pressure equals approximately 2460 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TVD = A (bottom hole pressure)
**Maximum surface pressure = A – (0.22 x TVD)

RECEIVED: March 19, 2013

Bill Barrett Corporation
Drilling Program
4X-5D-45 BTR
Duchesne County, Utah

9. Auxiliary Equipment

a) Upper kelly cock; lower Kelly cock will be installed while drilling
b) Inside BOP or stab-in valve (available on rig floor)
c) Safety valve(s) and subs to fit all string connections in use
Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W water right number 43-180.

11. Drilling Schedule

Spud:	March 22, 2013
Duration:	15 days drilling time
	6 days completion time

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Bill Barrett Corporation

LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

Well Name: 4X-5D-45 BTR

Surface Hole Data:

Total Depth:	1,500'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	**548.1**	ft^3
Lead Fill:	**1,000'**	
Tail Volume:	**274.0**	ft^3
Tail Fill:	**500'**	

Cement Data:

Lead Yield:	3.16	ft^3/sk
% Excess:	75%	
Top of Lead:	0'	

Tail Yield:	1.36	ft^3/sk
% Excess:	75%	
Top of Tail:	1,000'	

Calculated # of Sacks:

# SK's Lead:	**190**
# SK's Tail:	**210**

Production Hole Data:

Total Depth:	8,878'
Top of Cement:	1,000'
Top of Tail:	6,378'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	**2037.7**	ft^3
Lead Fill:	**5,378'**	
Tail Volume:	**947.3**	ft^3
Tail Fill:	**2,500'**	

Cement Data:

Lead Yield:	2.31	ft^3/sk
Tail Yield:	1.42	ft^3/sk
% Excess:	50%	

Calculated # of Sacks:

# SK's Lead:	**890**
# SK's Tail:	**680**

RECEIVED: March 19, 2013

4X-5D-45 BTR Proposed Cementing Program

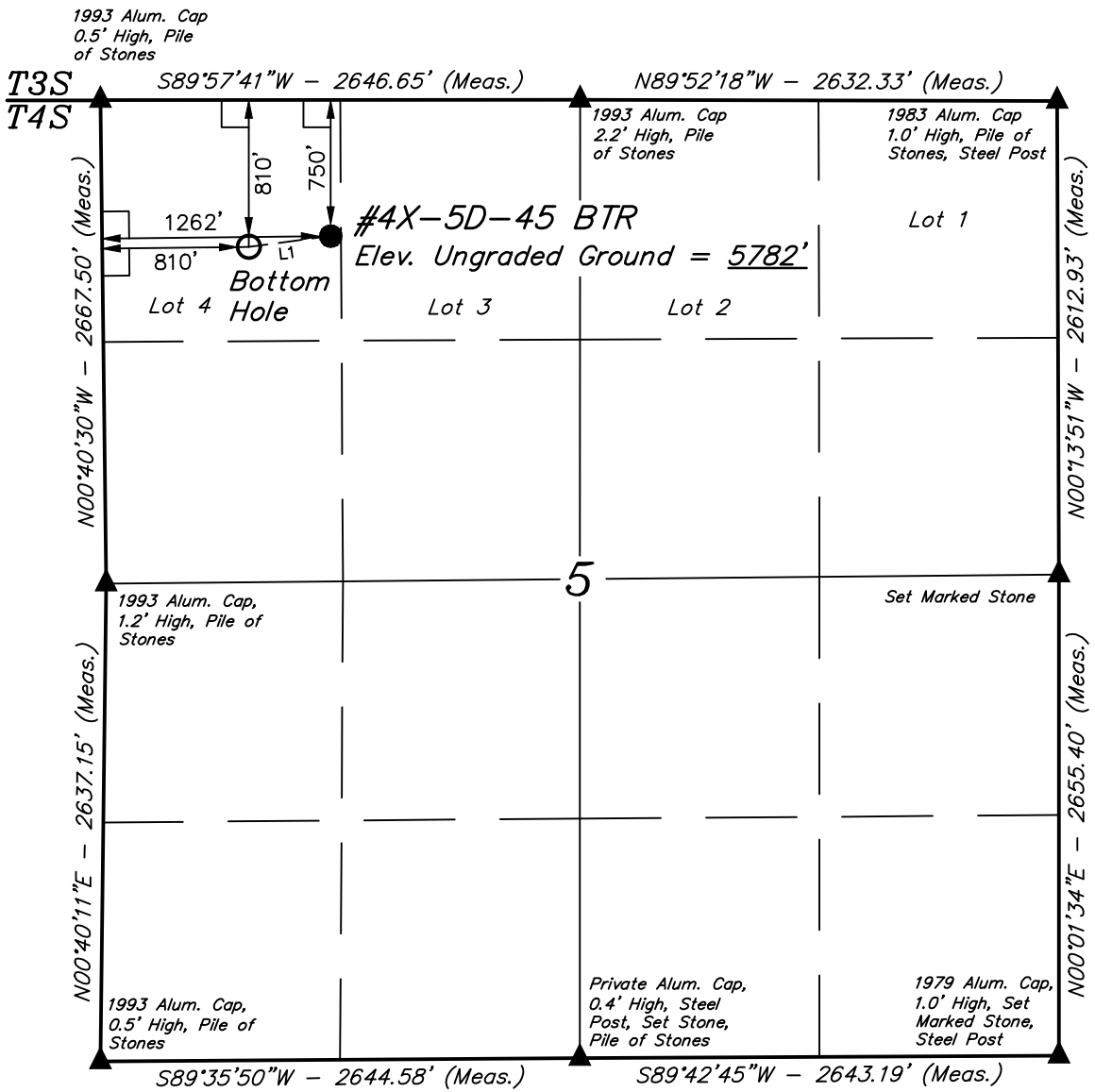
Job Recommendation			**Surface Casing**
Lead Cement - (1000' - 0')			
Halliburton Light Premium	Fluid Weight:	11.0	lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield:	3.16	ft^3/sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid:	19.48	Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	0'	
2.0% Bentonite	Calculated Fill:	1,000'	
	Volume:	97.61	bbl
	Proposed Sacks:	**190**	**sks**
Tail Cement - (TD - 1000')			
Premium Cement	Fluid Weight:	14.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.36	ft^3/sk
	Total Mixing Fluid:	6.37	Gal/sk
	Top of Fluid:	1,000'	
	Calculated Fill:	500'	
	Volume:	48.80	bbl
	Proposed Sacks:	**210**	**sks**

Job Recommendation			**Production Casing**
Lead Cement - (6378' - 1000')			
Tuned Light™ System	Fluid Weight:	11.0	lbm/gal
	Slurry Yield:	2.31	ft^3/sk
	Total Mixing Fluid:	10.65	Gal/sk
	Top of Fluid:	1,000'	
	Calculated Fill:	5,378'	
	Volume:	362.90	bbl
	Proposed Sacks:	**890**	**sks**
Tail Cement - (8878' - 6378')			
Econocem™ System	Fluid Weight:	13.5	lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield:	1.42	ft^3/sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid:	6.61	Gal/sk
	Top of Fluid:	6,378'	
	Calculated Fill:	2,500'	
	Volume:	168.71	bbl
	Proposed Sacks:	**680**	**sks**

RECEIVED: March 19, 2013

API Well Number: 43013521040000

T4S, R5W, U.S.B.&M.



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S82°26'41"W	455.50'

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°10'01.57" (40.167103)	LATITUDE = 40°10'02.17" (40.167269)
LONGITUDE = 110°28'50.42" (110.480672)	LONGITUDE = 110°28'44.61" (110.479058)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°10'01.73" (40.167147)	LATITUDE = 40°10'02.32" (40.167311)
LONGITUDE = 110°28'47.86" (110.479961)	LONGITUDE = 110°28'42.05" (110.478347)

BILL BARRETT CORPORATION

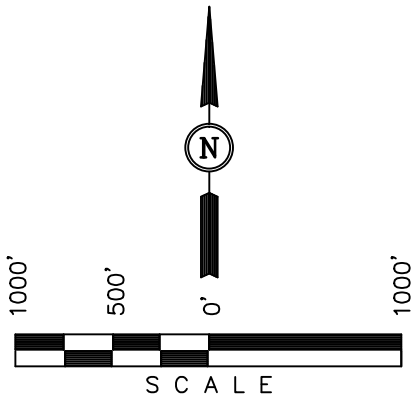
Well location, #4X-5D-45 BTR, located as shown in Lot 4 of Section 5, T4S, R5W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6097 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH 03-18-13

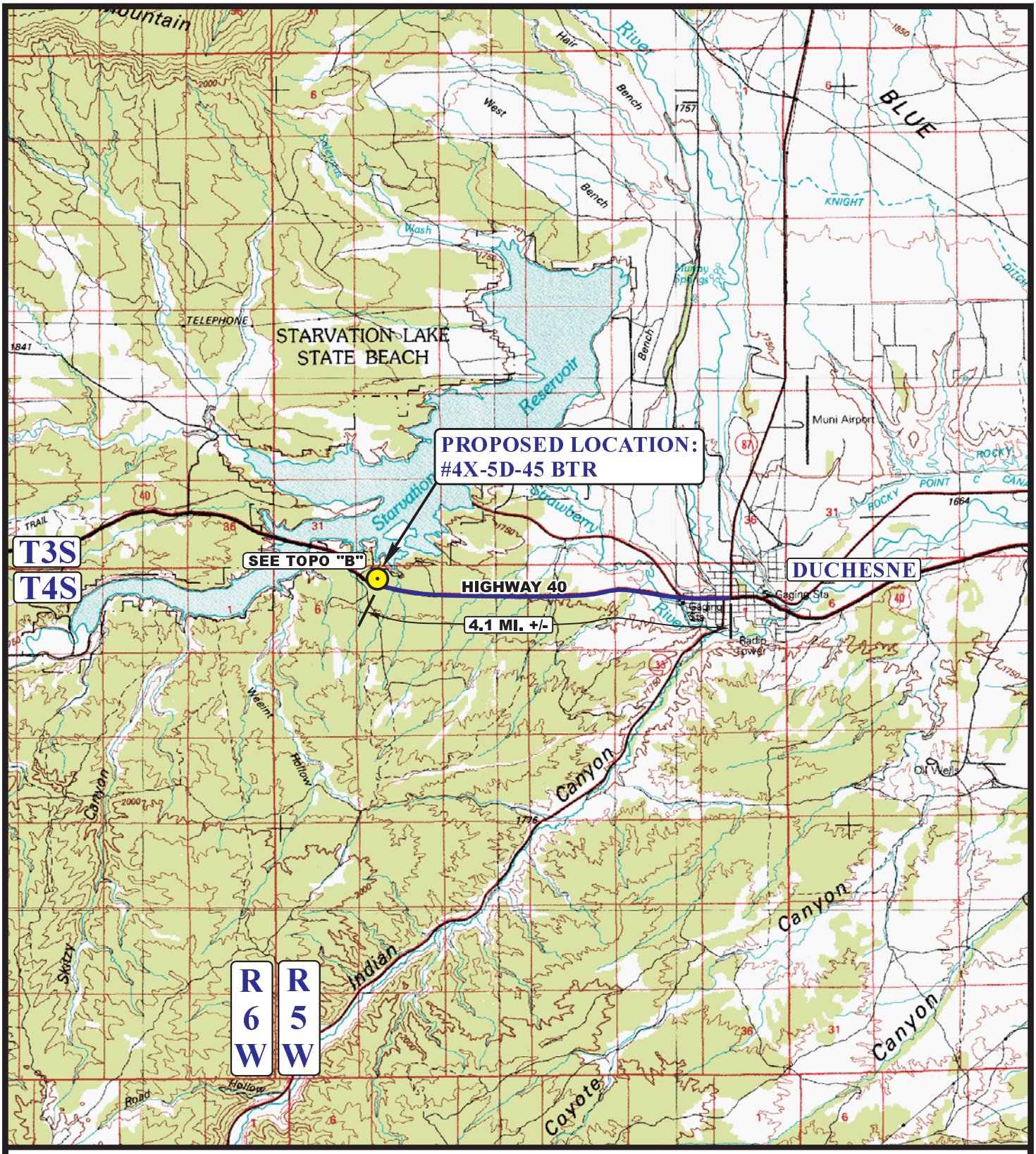
REVISED: 03-18-13 C.A.G.
REVISED: 05-03-11

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	12-09-10	12-14-10
PARTY: T.A. K.N. C.C.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: BILL BARRETT CORPORATION	

RECEIVED: March 19, 2013

API Well Number: 43013521040000



LEGEND:

PROPOSED LOCATION

N

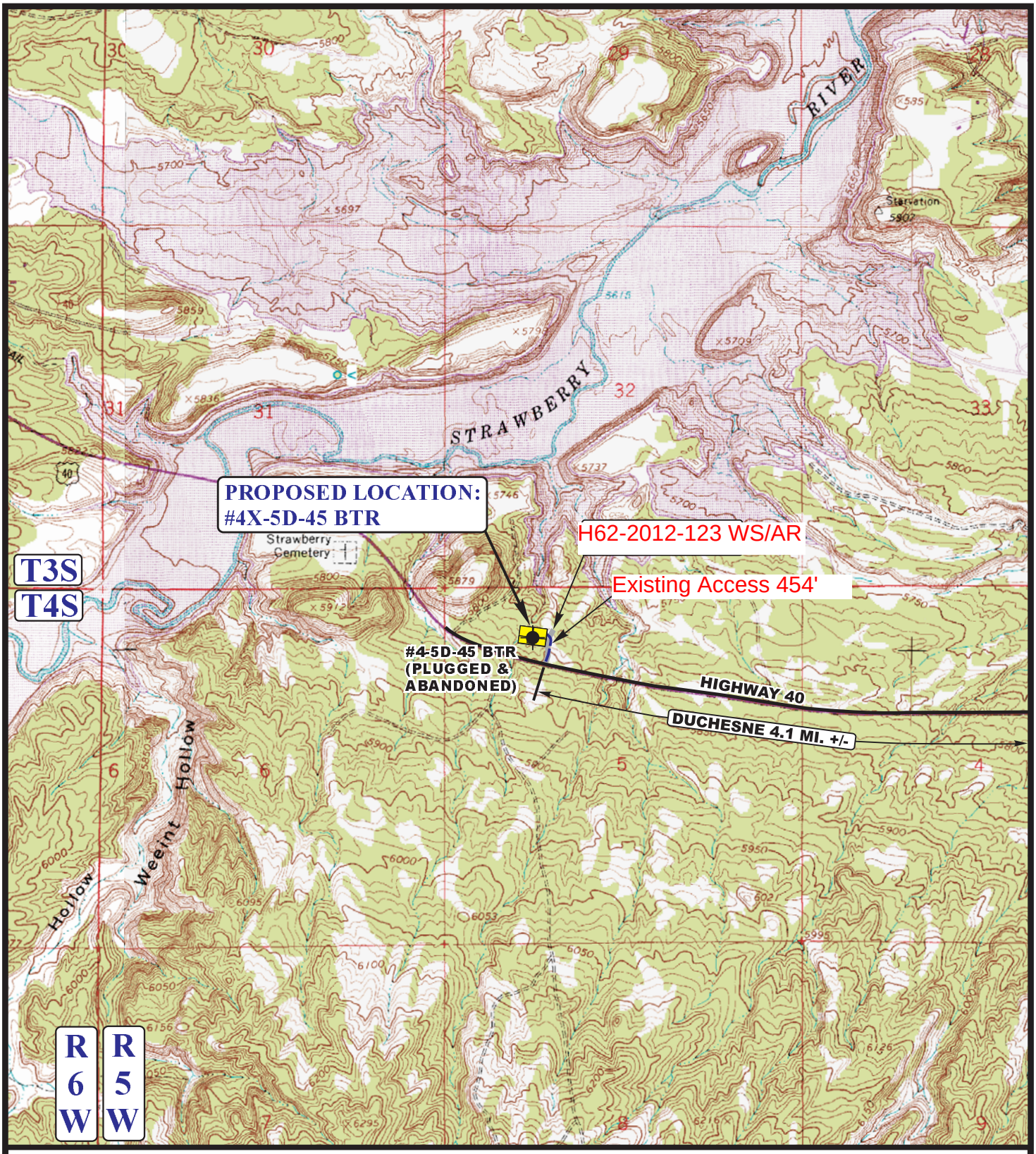
BILL BARRETT CORPORATION

#4X-5D-45 BTR
SECTION 5, T4S, R5W, U.S.B.&M.
750' FNL 1262' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP	12 MONTH	17 DAY	10 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: Z.L.	REV: 03-18-13 C.I.		

API Well Number: 43013521040000



LEGEND:

EXISTING ROAD

Existing Access Road

EXISTING ROAD NEEDS UPGRADED

N

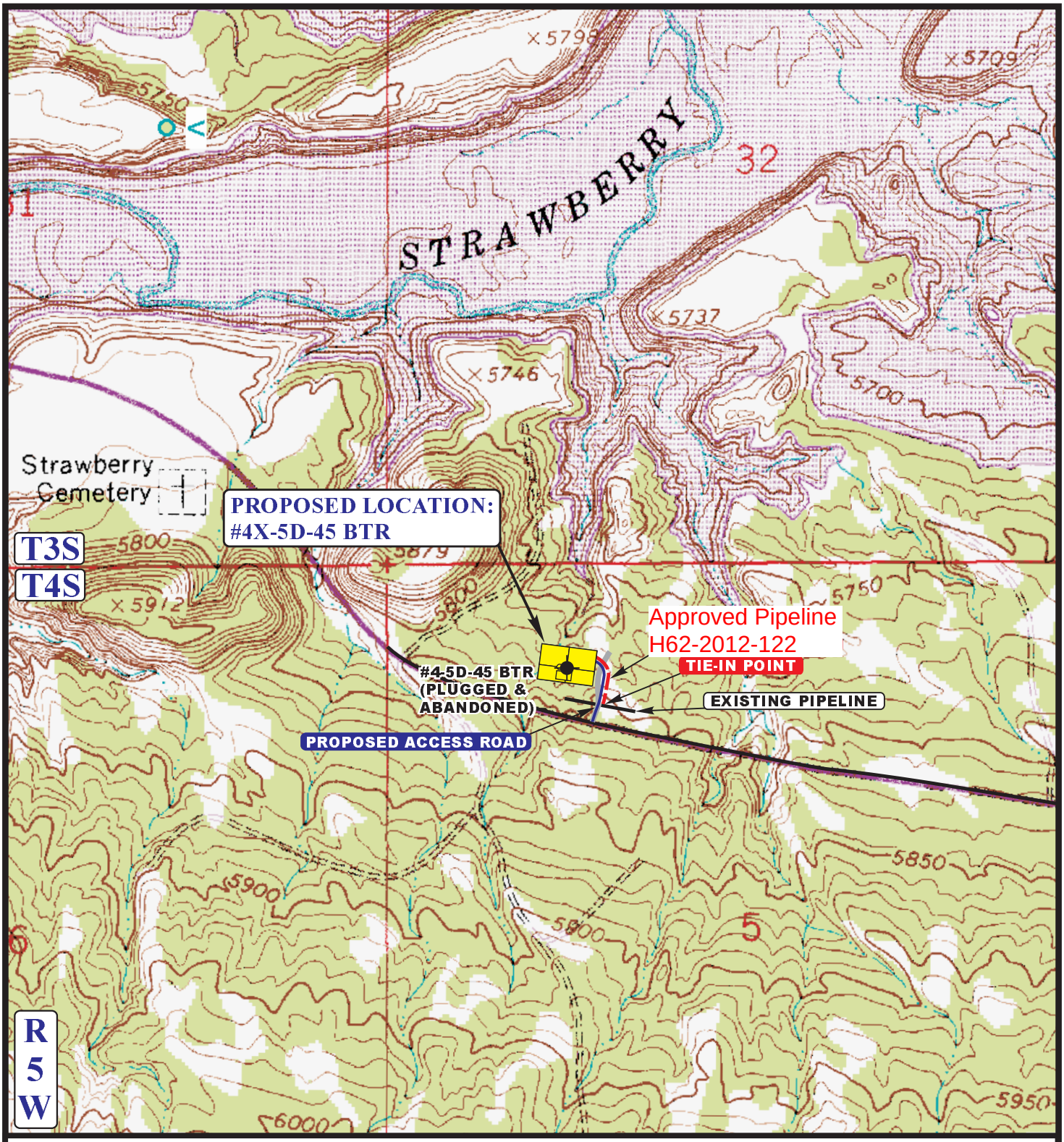
BILL BARRETT CORPORATION

#4X-5D-45 BTR
SECTION 5, T4S, R5W, U.S.B.&M.
750' FNL 1262' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP	12 MONTH	17 DAY	10 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: Z.L.	REV: 03-18-13 C.I.		

API Well Number: 43013521040000



APPROXIMATE TOTAL PIPELINE DISTANCE = 361' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

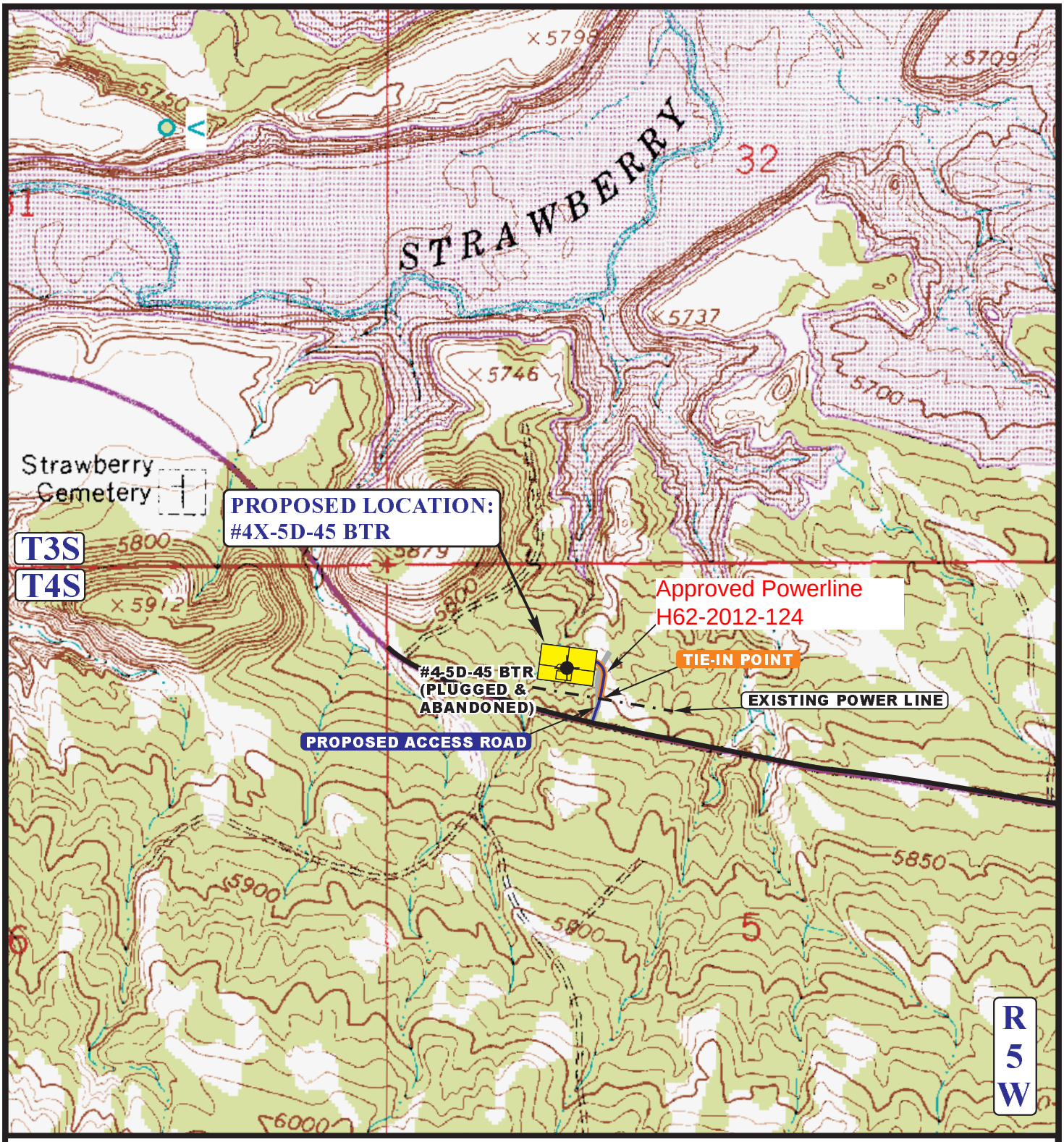
BILL BARRETT CORPORATION

#4X-5D-45 BTR
SECTION 5, T4S, R5W, U.S.B.&M.
750' FNL 1262' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	17 DAY	10 YEAR	C TOPO
SCALE: 1" = 1000'	DRAWN BY: Z.L.	REV: 03-18-13 C.I.		

API Well Number: 43013521040000



APPROXIMATE TOTAL POWERLINE DISTANCE = 275' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING POWERLINE
PROPOSED POWER LINE

N

BILL BARRETT CORPORATION

#4X-5D-45 BTR
SECTION 5, T4S, R5W, U.S.B.&M.
750' FNL 1262' FWL

Uintah Engineering & Land Surveying
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TOPOGRAPHIC MAP	12 MONTH	17 DAY	10 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: Z.L.	REV: 03-18-13 C.I.		

API Well Number: 43013521040000

Bill Barrett Corporation

SITE DETAILS: 4X-5D-45 BTR
Blacktail Ridge

Site Latitude: 40° 10' 2.320 N
Site Longitude: 110° 28' 42.049 W

Positional Uncertainity: 0.0
Convergence: 0.65
Local North: True

COMPANY DETAILS: BILL BARRETT CORP

Calculation Method: Minimum Curvature
Error System: ISCWSA
Scan Method: Closest Approach 3D
Error Surface: Elliptical Conic
Warning Method: Error Ratio

WELL DETAILS: 4X-5D-45 BTR
Ground Level: 5773.0

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	669619.15	2285506.80	40° 10' 2.319 N	110° 28' 42.049 W	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
4X-5D-45 BTR 3PT MKR	6425.0	-59.7	-451.1	40° 10' 1.729 N	110° 28' 47.860 W	Rectangle (Sides: L200.0 W200.0)
4X-5D-45 BTR PBHL	8845.0	-59.7	-451.1	40° 10' 1.729 N	110° 28' 47.860 W	Rectangle (Sides: L200.0 W200.0)

SECTION DETAILS

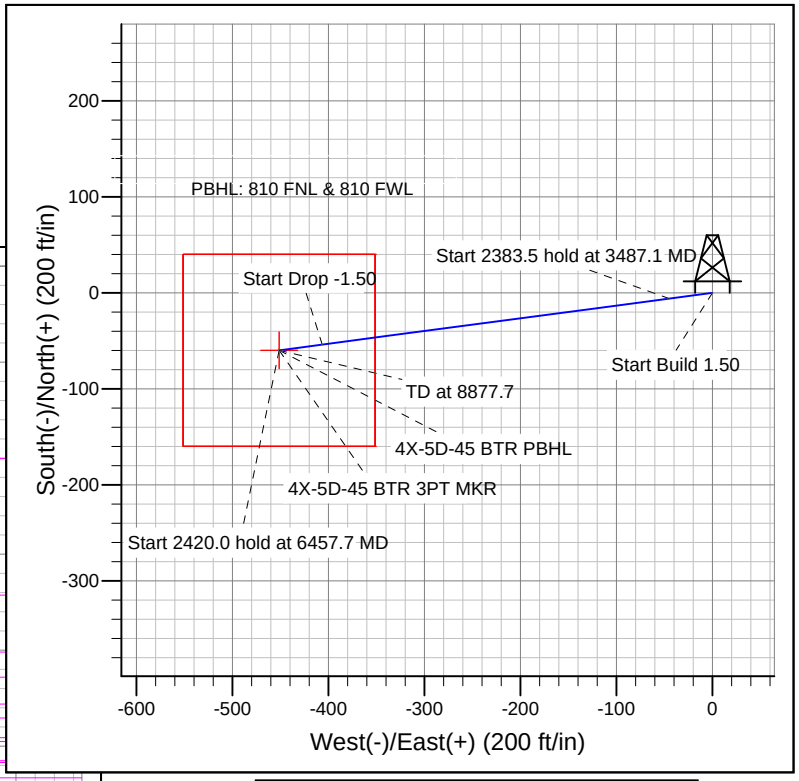
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2900.0	0.00	0.00	2900.0	0.0	0.0	0.00	0.00	0.0	
3	3487.1	8.81	262.46	3484.8	-5.9	-44.6	1.50	262.46	45.0	
4	5870.6	8.81	262.46	5840.2	-53.8	-406.4	0.00	0.00	410.0	
5	6457.7	0.00	0.00	6425.0	-59.7	-451.1	1.50	180.00	455.0	4X-5D-45 BTR 3PT MKR
6	8877.7	0.00	0.00	8845.0	-59.7	-451.1	0.00	0.00	455.0	4X-5D-45 BTR PBHL

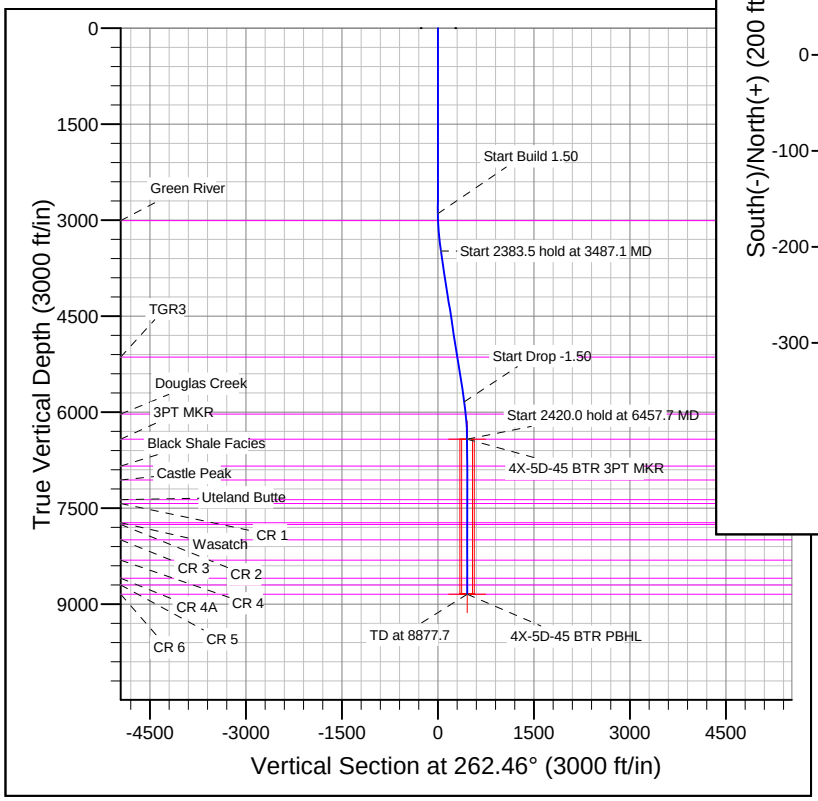
FORMATION TOP DETAILS

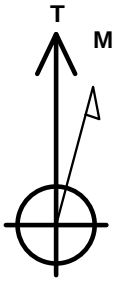
TVDPath	MDPath	Formation
3006.0	3006.0	Green River
5140.0	5162.1	TGR3
6030.0	6062.0	Douglas Creek
6425.0	6457.7	3PT MKR
6845.0	6877.7	Black Shale Facies
7060.0	7092.7	Castle Peak
7370.0	7402.7	Uteland Butte
7430.0	7462.7	CR 1
7730.0	7762.7	Wasatch
7755.0	7787.7	CR 2
7995.0	8027.7	CR 3
8315.0	8347.7	CR 4
8595.0	8627.7	CR 4A
8700.0	8732.7	CR 5
8845.0	8877.7	CR 6

CASING DETAILS

No casing data is available







Azimuths to True North
Magnetic North: 11.27°

Magnetic Field
Strength: 52101.3snT
Dip Angle: 65.77°
Date: 3/19/2013
Model: IGRF2010

RECEIVED: March 19, 2013

Bill Barrett Corp

Planning Report

Database:	Compass	**Local Co-ordinate Reference:**	Well 4X-5D-45 BTR
Company:	BILL BARRETT CORP	**TVD Reference:**	KB @ 5795.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	**MD Reference:**	KB @ 5795.0ft (Original Well Elev)
Site:	4X-5D-45 BTR	**North Reference:**	True
Well:	4X-5D-45 BTR	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project DUCHESNE COUNTY, UT (NAD 27)

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site 4X-5D-45 BTR

Site Position:		**Northing:**	669,619.16 ft	**Latitude:**	40° 10' 2.320 N
From:	Lat/Long	**Easting:**	2,285,506.80 ft	**Longitude:**	110° 28' 42.049 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.65 °

Well 4X-5D-45 BTR

Well Position	**+N/-S**	0.0 ft	**Northing:**	669,619.15 ft	**Latitude:**	40° 10' 2.319 N
	+E/-W	0.0 ft	**Easting:**	2,285,506.80 ft	**Longitude:**	110° 28' 42.049 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,773.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/19/2013	11.27	65.77	52,101

Design Design #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	262.46

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,487.1	8.81	262.46	3,484.8	-5.9	-44.6	1.50	1.50	0.00	262.46	
5,870.6	8.81	262.46	5,840.2	-53.8	-406.4	0.00	0.00	0.00	0.00	
6,457.7	0.00	0.00	6,425.0	-59.7	-451.1	1.50	-1.50	0.00	180.00	4X-5D-45 BTR 3PT M
8,877.7	0.00	0.00	8,845.0	-59.7	-451.1	0.00	0.00	0.00	0.00	4X-5D-45 BTR PBHL

RECEIVED: March 19, 2013

Bill Barrett Corp

Planning Report

Database:	Compass	**Local Co-ordinate Reference:**	Well 4X-5D-45 BTR
Company:	BILL BARRETT CORP	**TVD Reference:**	KB @ 5795.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	**MD Reference:**	KB @ 5795.0ft (Original Well Elev)
Site:	4X-5D-45 BTR	**North Reference:**	True
Well:	4X-5D-45 BTR	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.50									
3,000.0	1.50	262.46	3,000.0	-0.2	-1.3	1.3	1.50	1.50	0.00
3,006.0	1.59	262.46	3,006.0	-0.2	-1.5	1.5	1.50	1.50	0.00
Green River									
3,100.0	3.00	262.46	3,099.9	-0.7	-5.2	5.2	1.50	1.50	0.00
3,200.0	4.50	262.46	3,199.7	-1.5	-11.7	11.8	1.50	1.50	0.00
3,300.0	6.00	262.46	3,299.3	-2.7	-20.7	20.9	1.50	1.50	0.00
3,400.0	7.50	262.46	3,398.6	-4.3	-32.4	32.7	1.50	1.50	0.00
3,487.1	8.81	262.46	3,484.8	-5.9	-44.6	45.0	1.50	1.50	0.00
Start 2383.5 hold at 3487.1 MD									
3,500.0	8.81	262.46	3,497.5	-6.2	-46.6	47.0	0.00	0.00	0.00
3,600.0	8.81	262.46	3,596.4	-8.2	-61.8	62.3	0.00	0.00	0.00
3,700.0	8.81	262.46	3,695.2	-10.2	-77.0	77.6	0.00	0.00	0.00
3,800.0	8.81	262.46	3,794.0	-12.2	-92.1	92.9	0.00	0.00	0.00
3,900.0	8.81	262.46	3,892.8	-14.2	-107.3	108.2	0.00	0.00	0.00
4,000.0	8.81	262.46	3,991.6	-16.2	-122.5	123.6	0.00	0.00	0.00
4,100.0	8.81	262.46	4,090.5	-18.2	-137.7	138.9	0.00	0.00	0.00
4,200.0	8.81	262.46	4,189.3	-20.2	-152.8	154.2	0.00	0.00	0.00
4,300.0	8.81	262.46	4,288.1	-22.2	-168.0	169.5	0.00	0.00	0.00
4,400.0	8.81	262.46	4,386.9	-24.3	-183.2	184.8	0.00	0.00	0.00
4,500.0	8.81	262.46	4,485.7	-26.3	-198.4	200.1	0.00	0.00	0.00
4,600.0	8.81	262.46	4,584.6	-28.3	-213.6	215.4	0.00	0.00	0.00
4,700.0	8.81	262.46	4,683.4	-30.3	-228.7	230.7	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	**Local Co-ordinate Reference:**	Well 4X-5D-45 BTR
Company:	BILL BARRETT CORP	**TVD Reference:**	KB @ 5795.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	**MD Reference:**	KB @ 5795.0ft (Original Well Elev)
Site:	4X-5D-45 BTR	**North Reference:**	True
Well:	4X-5D-45 BTR	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,800.0	8.81	262.46	4,782.2	-32.3	-243.9	246.0	0.00	0.00	0.00
4,900.0	8.81	262.46	4,881.0	-34.3	-259.1	261.4	0.00	0.00	0.00
5,000.0	8.81	262.46	4,979.9	-36.3	-274.3	276.7	0.00	0.00	0.00
5,100.0	8.81	262.46	5,078.7	-38.3	-289.4	292.0	0.00	0.00	0.00
5,162.1	8.81	262.46	5,140.0	-39.6	-298.9	301.5	0.00	0.00	0.00
TGR3									
5,200.0	8.81	262.46	5,177.5	-40.3	-304.6	307.3	0.00	0.00	0.00
5,300.0	8.81	262.46	5,276.3	-42.3	-319.8	322.6	0.00	0.00	0.00
5,400.0	8.81	262.46	5,375.1	-44.4	-335.0	337.9	0.00	0.00	0.00
5,500.0	8.81	262.46	5,474.0	-46.4	-350.2	353.2	0.00	0.00	0.00
5,600.0	8.81	262.46	5,572.8	-48.4	-365.3	368.5	0.00	0.00	0.00
5,700.0	8.81	262.46	5,671.6	-50.4	-380.5	383.8	0.00	0.00	0.00
5,800.0	8.81	262.46	5,770.4	-52.4	-395.7	399.1	0.00	0.00	0.00
5,870.6	8.81	262.46	5,840.2	-53.8	-406.4	410.0	0.00	0.00	0.00
Start Drop -1.50									
5,900.0	8.37	262.46	5,869.3	-54.4	-410.8	414.3	1.50	-1.50	0.00
6,000.0	6.87	262.46	5,968.4	-56.1	-423.9	427.6	1.50	-1.50	0.00
6,062.0	5.94	262.46	6,030.0	-57.0	-430.8	434.5	1.50	-1.50	0.00
Douglas Creek									
6,100.0	5.37	262.46	6,067.8	-57.5	-434.5	438.3	1.50	-1.50	0.00
6,200.0	3.87	262.46	6,167.5	-58.6	-442.4	446.3	1.50	-1.50	0.00
6,300.0	2.37	262.46	6,267.3	-59.3	-447.8	451.7	1.50	-1.50	0.00
6,400.0	0.87	262.46	6,367.3	-59.7	-450.6	454.6	1.50	-1.50	0.00
6,457.7	0.00	0.00	6,425.0	-59.7	-451.1	455.0	1.50	-1.50	0.00
Start 2420.0 hold at 6457.7 MD - 3PT MKR									
6,500.0	0.00	0.00	6,467.3	-59.7	-451.1	455.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,567.3	-59.7	-451.1	455.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,667.3	-59.7	-451.1	455.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,767.3	-59.7	-451.1	455.0	0.00	0.00	0.00
6,877.7	0.00	0.00	6,845.0	-59.7	-451.1	455.0	0.00	0.00	0.00
Black Shale Facies									
6,900.0	0.00	0.00	6,867.3	-59.7	-451.1	455.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,967.3	-59.7	-451.1	455.0	0.00	0.00	0.00
7,092.7	0.00	0.00	7,060.0	-59.7	-451.1	455.0	0.00	0.00	0.00
Castle Peak									
7,100.0	0.00	0.00	7,067.3	-59.7	-451.1	455.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,167.3	-59.7	-451.1	455.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,267.3	-59.7	-451.1	455.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,367.3	-59.7	-451.1	455.0	0.00	0.00	0.00
7,402.7	0.00	0.00	7,370.0	-59.7	-451.1	455.0	0.00	0.00	0.00
Uteland Butte									
7,462.7	0.00	0.00	7,430.0	-59.7	-451.1	455.0	0.00	0.00	0.00
CR 1									
7,500.0	0.00	0.00	7,467.3	-59.7	-451.1	455.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,567.3	-59.7	-451.1	455.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,667.3	-59.7	-451.1	455.0	0.00	0.00	0.00
7,762.7	0.00	0.00	7,730.0	-59.7	-451.1	455.0	0.00	0.00	0.00
Wasatch									
7,787.7	0.00	0.00	7,755.0	-59.7	-451.1	455.0	0.00	0.00	0.00
CR 2									
7,800.0	0.00	0.00	7,767.3	-59.7	-451.1	455.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,867.3	-59.7	-451.1	455.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,967.3	-59.7	-451.1	455.0	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	**Local Co-ordinate Reference:**	Well 4X-5D-45 BTR
Company:	BILL BARRETT CORP	**TVD Reference:**	KB @ 5795.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	**MD Reference:**	KB @ 5795.0ft (Original Well Elev)
Site:	4X-5D-45 BTR	**North Reference:**	True
Well:	4X-5D-45 BTR	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,027.7	0.00	0.00	7,995.0	-59.7	-451.1	455.0	0.00	0.00	0.00
CR 3									
8,100.0	0.00	0.00	8,067.3	-59.7	-451.1	455.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,167.3	-59.7	-451.1	455.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,267.3	-59.7	-451.1	455.0	0.00	0.00	0.00
8,347.7	0.00	0.00	8,315.0	-59.7	-451.1	455.0	0.00	0.00	0.00
CR 4									
8,400.0	0.00	0.00	8,367.3	-59.7	-451.1	455.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,467.3	-59.7	-451.1	455.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,567.3	-59.7	-451.1	455.0	0.00	0.00	0.00
8,627.7	0.00	0.00	8,595.0	-59.7	-451.1	455.0	0.00	0.00	0.00
CR 4A									
8,700.0	0.00	0.00	8,667.3	-59.7	-451.1	455.0	0.00	0.00	0.00
8,732.7	0.00	0.00	8,700.0	-59.7	-451.1	455.0	0.00	0.00	0.00
CR 5									
8,800.0	0.00	0.00	8,767.3	-59.7	-451.1	455.0	0.00	0.00	0.00
8,877.7	0.00	0.00	8,845.0	-59.7	-451.1	455.0	0.00	0.00	0.00
TD at 8877.7 - CR 6									

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
4X-5D-45 BTR PBHL - plan hits target - Rectangle (sides W200.0 H200.0 D0.0)	0.00	0.00	8,845.0	-59.7	-451.1	669,554.28	2,285,056.46	40° 10' 1.729 N	110° 28' 47.860 W
4X-5D-45 BTR 3PT MKF - plan hits target - Rectangle (sides W200.0 H200.0 D2,420.0)	0.00	0.00	6,425.0	-59.7	-451.1	669,554.28	2,285,056.46	40° 10' 1.729 N	110° 28' 47.860 W

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Planning Report

Database:	Compass	**Local Co-ordinate Reference:**	Well 4X-5D-45 BTR
Company:	BILL BARRETT CORP	**TVD Reference:**	KB @ 5795.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	**MD Reference:**	KB @ 5795.0ft (Original Well Elev)
Site:	4X-5D-45 BTR	**North Reference:**	True
Well:	4X-5D-45 BTR	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,006.0	3,006.0	Green River		0.00	
5,162.1	5,140.0	TGR3		0.00	
6,062.0	6,030.0	Douglas Creek		0.00	
6,457.7	6,425.0	3PT MKR		0.00	
6,877.7	6,845.0	Black Shale Facies		0.00	
7,092.7	7,060.0	Castle Peak		0.00	
7,402.7	7,370.0	Uteland Butte		0.00	
7,462.7	7,430.0	CR 1		0.00	
7,762.7	7,730.0	Wasatch		0.00	
7,787.7	7,755.0	CR 2		0.00	
8,027.7	7,995.0	CR 3		0.00	
8,347.7	8,315.0	CR 4		0.00	
8,627.7	8,595.0	CR 4A		0.00	
8,732.7	8,700.0	CR 5		0.00	
8,877.7	8,845.0	CR 6		0.00	

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
2,900.0	2,900.0	0.0	0.0	Start Build 1.50
3,487.1	3,484.8	-5.9	-44.6	Start 2383.5 hold at 3487.1 MD
5,870.6	5,840.2	-53.8	-406.4	Start Drop -1.50
6,457.7	6,425.0	-59.7	-451.1	Start 2420.0 hold at 6457.7 MD
8,877.7	8,845.0	-59.7	-451.1	TD at 8877.7

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SURFACE USE PLAN

BILL BARRETT CORPORATION

4X-5D-45 BTR Well Pad
Lot 4 (NW NW), 750' FNL and 1262' FWL, Section 5, T4S-R5W, USB&M (surface hole)
Lot 4 (NW NW), 810' FNL and 810' FWL, Section 5, T4S-R5W, USB&M (bottom hole)
Duchesne County, Utah

This well is being drilled 30' west of the plugged and abandoned 4-5D-45 BTR. No additional disturbance is needed.

The onsite inspection for this pad occurred on August 18, 2011. Site specific conditions or changes as a result of that onsite are indicated below. Plat changes requested at the onsite are reflected within this APD.

a) BBC committed to closed-loop drilling because of close proximity to Starvation Reservoir;
b) Initial site moved to the current site to avoid cultural resources;

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. Existing Roads:

   a. The proposed well site is located approximately 4.2 miles west of Duchesne, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).

   b. The existing State Highway 40 would be utilized from Duchesne for 4.1 miles to an existing approach that provides access to the planned new access road.

   c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.

   d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.

   e. The use of roads under State and Duchesne County Road Department maintenance are necessary to access the project area with no improvements proposed. A Utah Department of Transportation road encroachment is required for this project and is approved.

RECEIVED: March 19, 2013

f. All existing roads would be maintained and kept in good repair during all phases of operation.

2. Planned Access Road:

a. All access roads are existing (see Topographic Map B). The access road crosses entirely Ute Tribe surface.

b. The access road is constructed with a 30-foot ROW width and an 18-foot travel surface. See section 12.d. below for disturbance estimates.

c. Road improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.

d. The road is constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.

e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.

f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.

g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.

h. Turnouts are not proposed.

i. No culverts or low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.

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j. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.

k. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.

l. The operator would be responsible for all maintenance needs of the new access road.

3. Location of Existing Wells (see One-Mile Radius Map):

a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:

i. water wells	none
ii. injection wells	none
iii. disposal wells	none
iv. drilling wells	none
v. temp shut-in wells	none
vi. producing wells	four
vii. abandoned wells	two

4. Location of Production Facilities

a. Surface facilities would consist of a wellhead, separator, gas meter, combustor, (1) 500 gal methanol tank, (1) 500 glycol tank, (3) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit or Roto-flex unit or ESP or gas lift unit, electrical or with a natural gas or diesel fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.

b. Most wells would be fitted with a pump jack or Roto-flex unit or ESP or gas lift to assist liquid production. The prime mover for pump jacks or Roto-flex units would be small (100 horsepower or less), electric motor or natural gas or diesel fired internal combustion engines. If a gas lift is installed, it would be set on a 10 ft x 25 ft pad and the prime mover would be a natural gas-fired internal combustion engine rated at 200 horsepower or less or an electric compressor of similar horsepower powered by electricity.

c. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would

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utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.

d. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

e. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.

f. Approximately 361 feet of pipeline corridor (previously approved) see Topographic Map C, containing up to three lines (one gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter) is approved, trending south to the existing BTR pipeline corridor. Pipelines would be constructed of steel, polyethylene or fiberglass and would connect to the proposed pipeline servicing nearby BBC wells. The pipeline crosses entirely Ute Tribe surface.

g. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.

h. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.

i. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.

j. All permanent above-ground structures would be painted a flat, non-reflective Beetle Green color, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

k. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.

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l. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

5. Location and Type of Water Supply:

a. Water for the drilling and completion would be trucked from any of the following locations:

Water Right No. and Application or Change No.	Applicant	Allocation	Date	Point of Diversion	Source
43-180	Duchesne City Water Service District	5 cfs	8/13/2004	Knight Diversion Dam	Duchesne River
43-1202, Change a13837	Myton City	5.49 cfr and 3967 acre feet	3/21/1986	Knight Diversion Dam	Duchesne River
43-10444, Appln A57477	Duchesne County Upper Country Water	2 cfs	1994	Ditch at Source	Cow Canyon Spring
43-10446, Appln F57432	Duchesne County Upper Country Water	1.58 cfs	1994	Ditch at Source	Cow Canyon Spring
43-1273, Appln A17462	J.J.N.P. Company	7 cfs	1946	Strawberry River	Strawberry River
43-1273, Appln t36590	J.J.N.P. Company	4 cfs	6/03/2010	Strawberry River	Strawberry River
43-2505, Appln t37379	McKinnon Ranch Properties, LC	1.3 cfs	4/28/2011	Pumped from Sec, 17, T4SR6W	Water Canyon Lake
43-12415, Change A17215a	Peatross Ranch, LLC	1.89 cfs	09/2011	Dugout Pond	Strawberry River

b. No new water well is proposed with this application.

c. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights.

d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations.

6. Source of Construction Material:

a. The use of materials would conform to 43 CFR 3610.2-3.

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b. No construction materials would be removed from the lease or EDA area.

c. If any additional gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. Methods of Handling Waste Disposal:

a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.

b. This location will be drilled with a closed loop system. There will be a cuttings storage area instead of a reserve pit.

c. The cuttings storage area would be lined with 20 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit.

d. To deter livestock from entering the cuttings storage area, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.

e. Drill cuttings would be stored in the cuttings storage area and either hauled to an approved disposal facility or will be buried on-site.

f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:

Disposal Facilities
1. RNI Industries, Inc. – Pleasant Valley Disposal Pits, Sec. 25, 26, 35 & 36, T4S-R3W
2. Pro Water LLC – Blue Bench 13-1 Disposal Well (43-013-30971) NENE, Sec. 13, T3S-R5W
3. RN Industries, Inc. – Bluebell Disposal Ponds, Sec. 2, 4 & 9, T2S-R2W
4. Water Disposal, Inc. – Harmston 1-32-A1 Disposal Well (43-013-30224), UTR #00707, Sec. 32, T1S-R1W
5. Unified Water Pits – Sec. 31, T2S-R4W
6. Iowa Tank Line Pits – 8500 BLM Fence Road, Pleasant Valley

g. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.

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h. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.

i. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO_2 gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.

j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.

k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.

l. A flare pit may be constructed a minimum of 110 feet from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.

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m. Hydrocarbons would be removed from the cuttings storage area would as soon as practical. In the event immediate removal is not practical, the storage area would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

8. Ancillary Facilities:

a. Garbage containers and portable toilets would be located on the well pad.

b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.

c. A surface powerline corridor 275 feet in length is approved for installation by third-party installer within a 150 foot wide powerline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.

9. Well Site Layout:

a. The well would be properly identified in accordance with 43 CFR 3162.6.

b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).

c. The pad and road designs are consistent with industry specifications.

d. The pad has been staked at its maximum size of 400 feet x 255 feet with a cuttings storage area size of 60 feet x 110 feet. See section 12.d below for disturbance estimates.

e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.

f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.

g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.

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h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.

i. Diversion ditches would be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.

j. Water application may be implemented if necessary to minimize the amount of fugitive dust.

k. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

10. Plan for Restoration of the Surface:

a. A site specific reclamation plan would be submitted, if requested, within 90 days of location construction to the surface managing agency.

b. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.

c. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal, according to the Utah Noxious Weed Act and as set forth in the approved surface damage agreements.

d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The cuttings storage area would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the storage area until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.

e. The cuttings storage area and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the Ute Tribe specified seed mix.

f. Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the Ute Tribe

RECEIVED: March 19, 2013

prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

11. Surface and Mineral Ownership:

a. Surface ownership – Ute Indian Tribe - 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982.

b. Mineral ownership – Ute Indian Tribe - 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982.

12. Other Information:

a. Montgomery Archeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as MOAC Report No. 10-210- dated October 25, 2010.

b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.

c. Project personnel and contractors would be educated on and subject to the following requirements:

- No dogs or firearms within the Project Area.
- No littering within the Project Area.
- Smoking within the Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders.
- Campfires or uncontained fires of any kind would be prohibited.
- Portable generators used in the Project Area would have spark arrestors.

d. Disturbance estimates:

No new disturbance is needed.

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Bill Barrett Corporation
Surface Use Plan
#4X-5D-45 BTR
Duchesne County, UT

OPERATOR CERTIFICATION

Certification:

I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under Bill Barrett Corporations federal nationwide bond. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Executed this	19th day of March, 2013
Name:	Venessa Langmacher
Position Title:	Senior Permit Analyst
Address:	1099 18th Street, Suite 2300, Denver, CO 80202
Telephone:	303-312-8172
E-mail:	vlangmacher@billbarrettcorp.com
Field Representative	Kary Eldredge / Bill Barrett Corporation
Address:	1820 W. Highway 40, Roosevelt, UT 84066
Telephone:	435-725-3515 (office); 435-724-6789 (mobile)
E-mail:	keldredge@billbarrettcorp.com

Venessa Langmacher, Senior Permit Analyst

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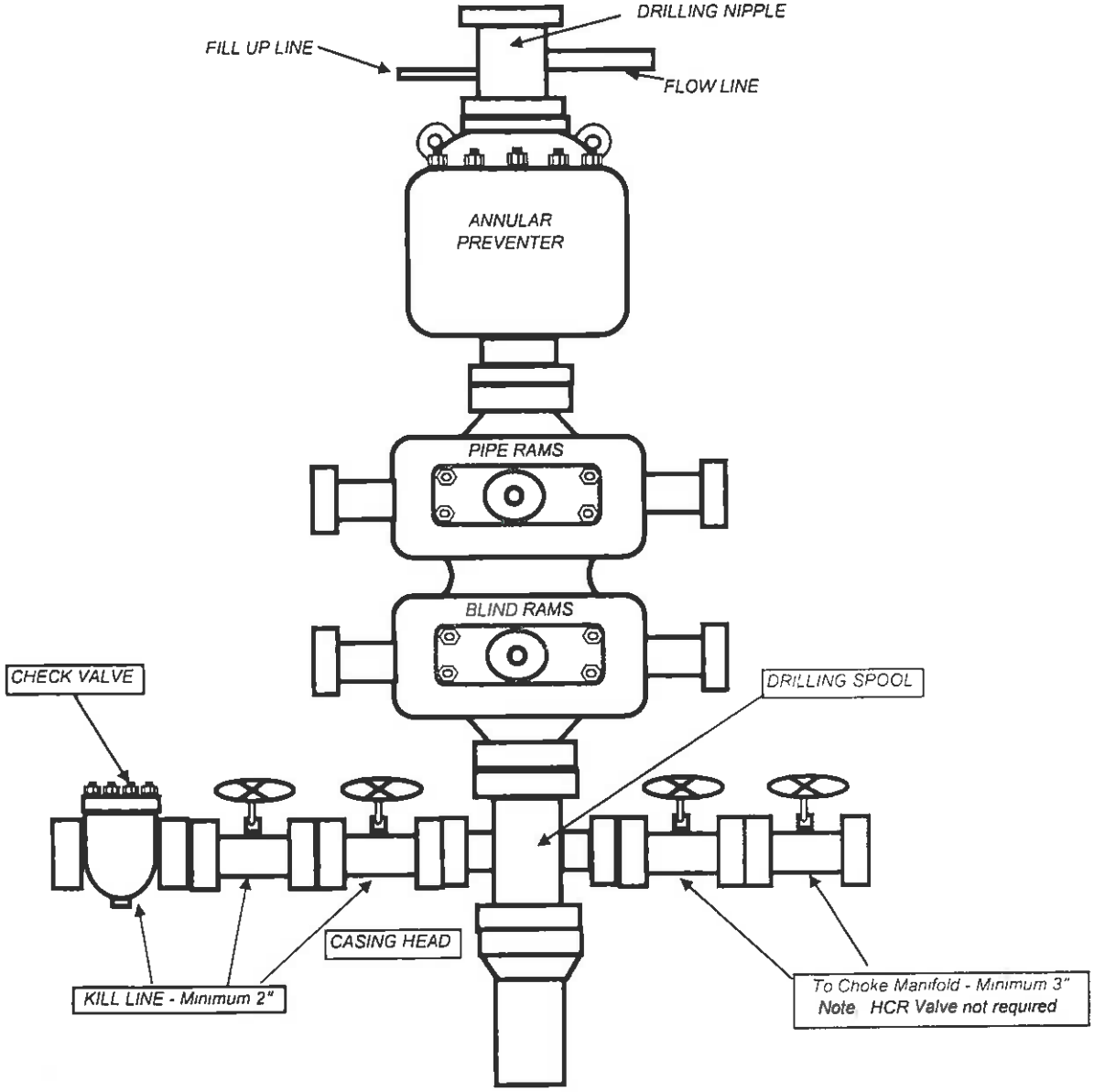
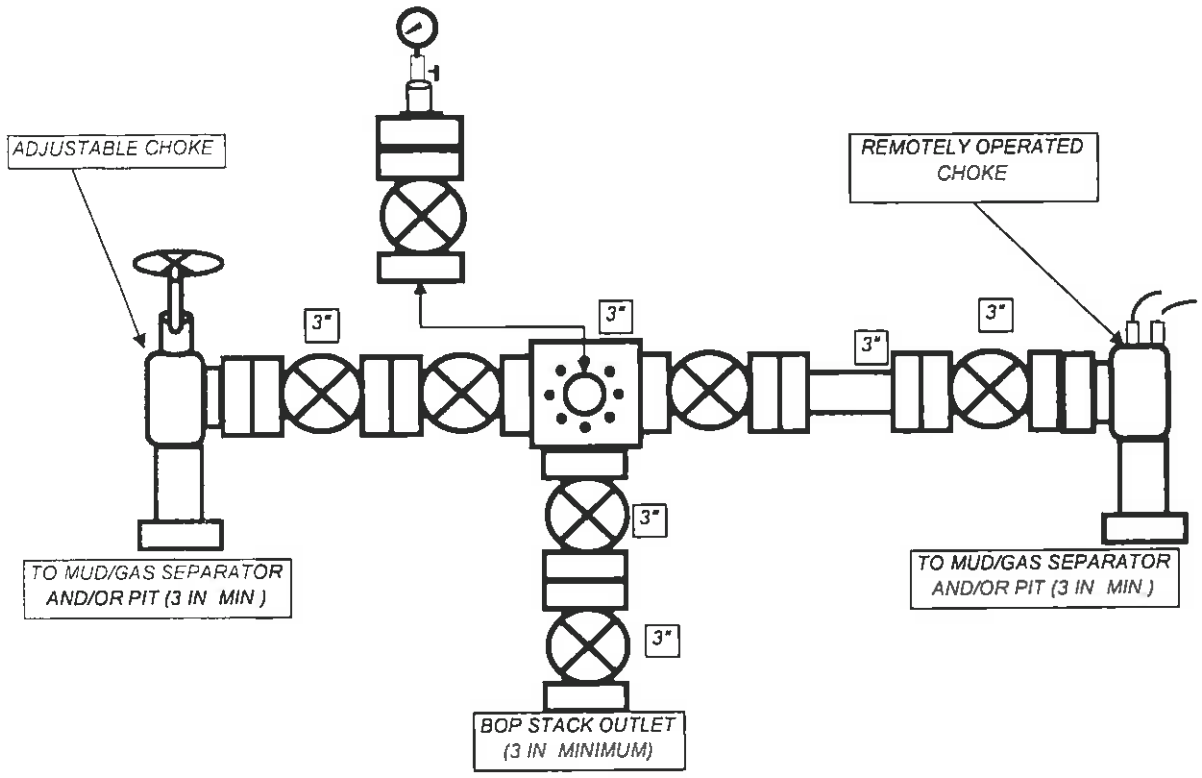
BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD



Bill Barrett Corporation

March 19, 2013

Ms. Diana Mason – Petroleum Technician
State of Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11
Blacktail Ridge Area #4X-5D-45 BTR Well
Surface: 750' FNL & 1,262' FWL, NWNW, Lot 4 of 5-T4S-R5W, USM
Bottom Hole: 810' FNL & 810' FWL, NWNW, Lot 4 of 5-T4S-R5W, USM
Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Siting of Wells.

- The proposed location is within our Blacktail Ridge Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under an Exploration and Development Agreement between the Ute Indian Tribe and Ute Distribution Corporation. Ute Energy, LLC owns a right to participate in this well.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with Ute Energy, LLC, we own 100% of the working interest in these lands.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8544.

Sincerely,

Vanessa Langmacher
for

David Watts
Landman

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

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BILL BARRETT CORPORATION

TYPICAL CROSS SECTIONS FOR

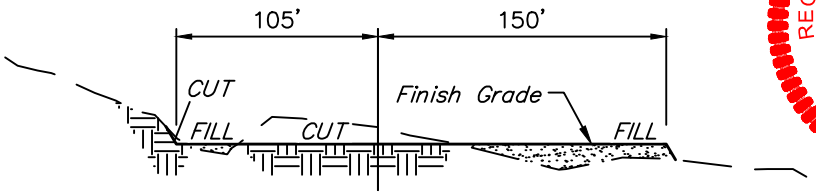
#4X-5D-45 BTR
SECTION 5, T4S, R5W, U.S.B.&M.
750' FNL 1262' FWL

FIGURE #2

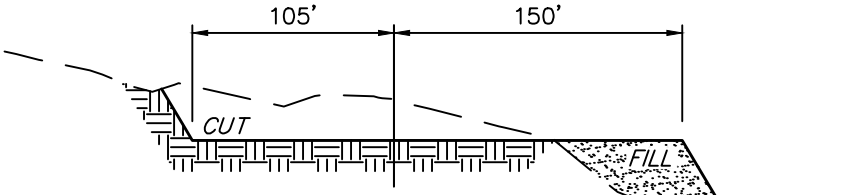
1" = 40'
X-Section Scale
1" = 100'

DATE: 12-14-10
DRAWN BY: C.C.
REVISED: 02-06-12 B.L.B.
REVISED: 02-20-12 B.L.B.
REVISED; 03-18-13 C.A.G.

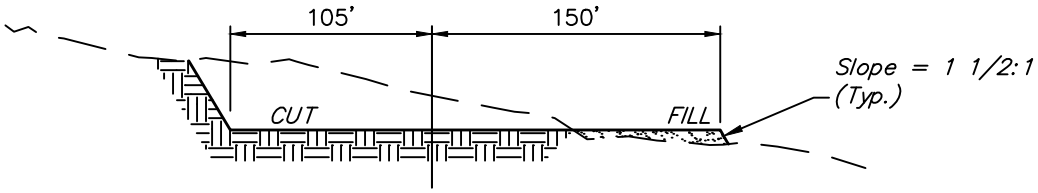
REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH
03-18-13



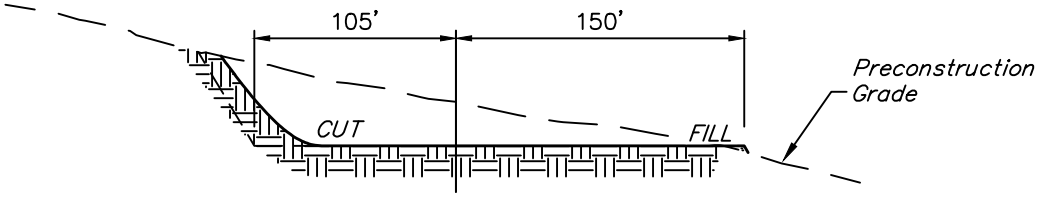
STA. 4+00



STA. 2+00



STA. 1+00



STA. 0+00

NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.151 ACRES
ACCESS ROAD DISTURBANCE = ± 0.313 ACRES
PIPELINE DISTURBANCE = ± 0.248 ACRES
TOTAL = ± 3.712 ACRES

* *NOTE:*
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(12") Topsoil Stripping = *4,530* Cu. Yds.
Remaining Location = *14,660* Cu. Yds.
TOTAL CUT = *19,190* CU.YDS.
FILL = *14,660* CU.YDS.

EXCESS MATERIAL = *4,530* Cu. Yds.
Topsoil = *4,530* Cu. Yds.
EXCESS UNBALANCE = *0* Cu. Yds.
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*

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API Well Number: 43013521040000

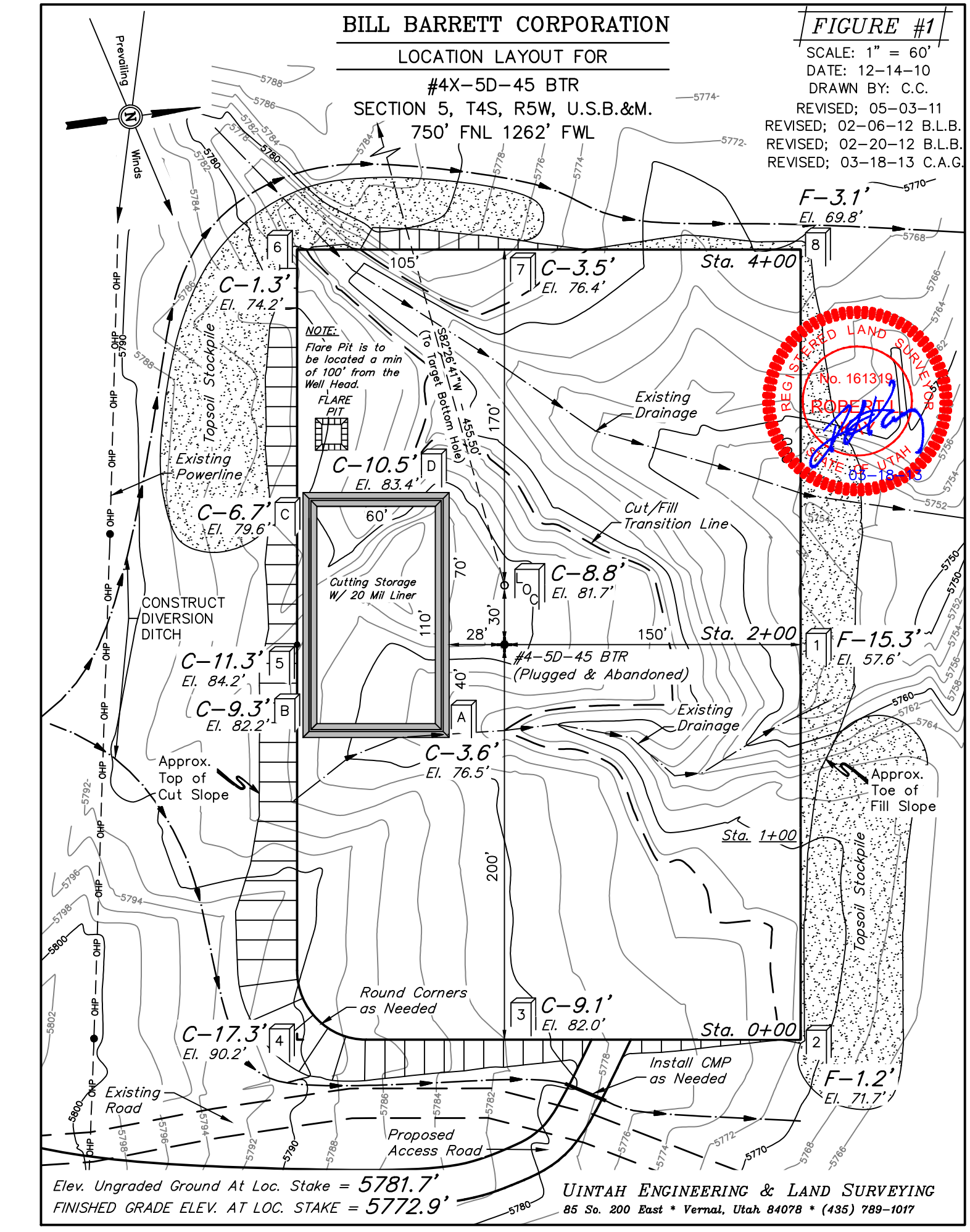
BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

#4X-5D-45 BTR
SECTION 5, T4S, R5W, U.S.B.&M.
750' FNL 1262' FWL

FIGURE #1

SCALE: 1" = 60'
DATE: 12-14-10
DRAWN BY: C.C.
REVISED; 05-03-11
REVISED; 02-06-12 B.L.B.
REVISED; 02-20-12 B.L.B.
REVISED; 03-18-13 C.A.G.



Elev. Ungraded Ground At Loc. Stake = 5781.7'
FINISHED GRADE ELEV. AT LOC. STAKE = 5772.9'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

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API Well Number: 43013521040000

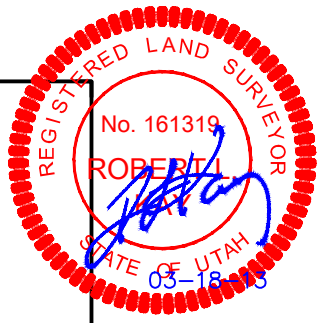
BILL BARRETT CORPORATION

TYPICAL RIG LAYOUT FOR

#4X-5D-45 BTR
SECTION 5, T4S, R5W, U.S.B.&M.
750' FNL 1262' FWL

FIGURE #3

SCALE: 1" = 60'
DATE: 12-14-10
DRAWN BY: C.C.
REVISED: 02-06-12 B.L.B.
REVISED: 02-20-12 B.L.B.
REVISED; 03-18-13 C.A.G.



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*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*

RECEIVED: March 19, 2013

API Well Number: 43013521040000

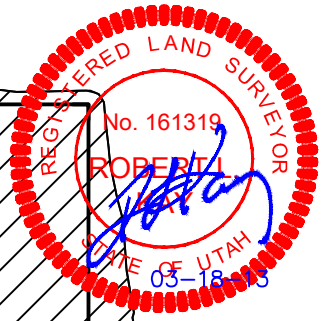
BILL BARRETT CORPORATION

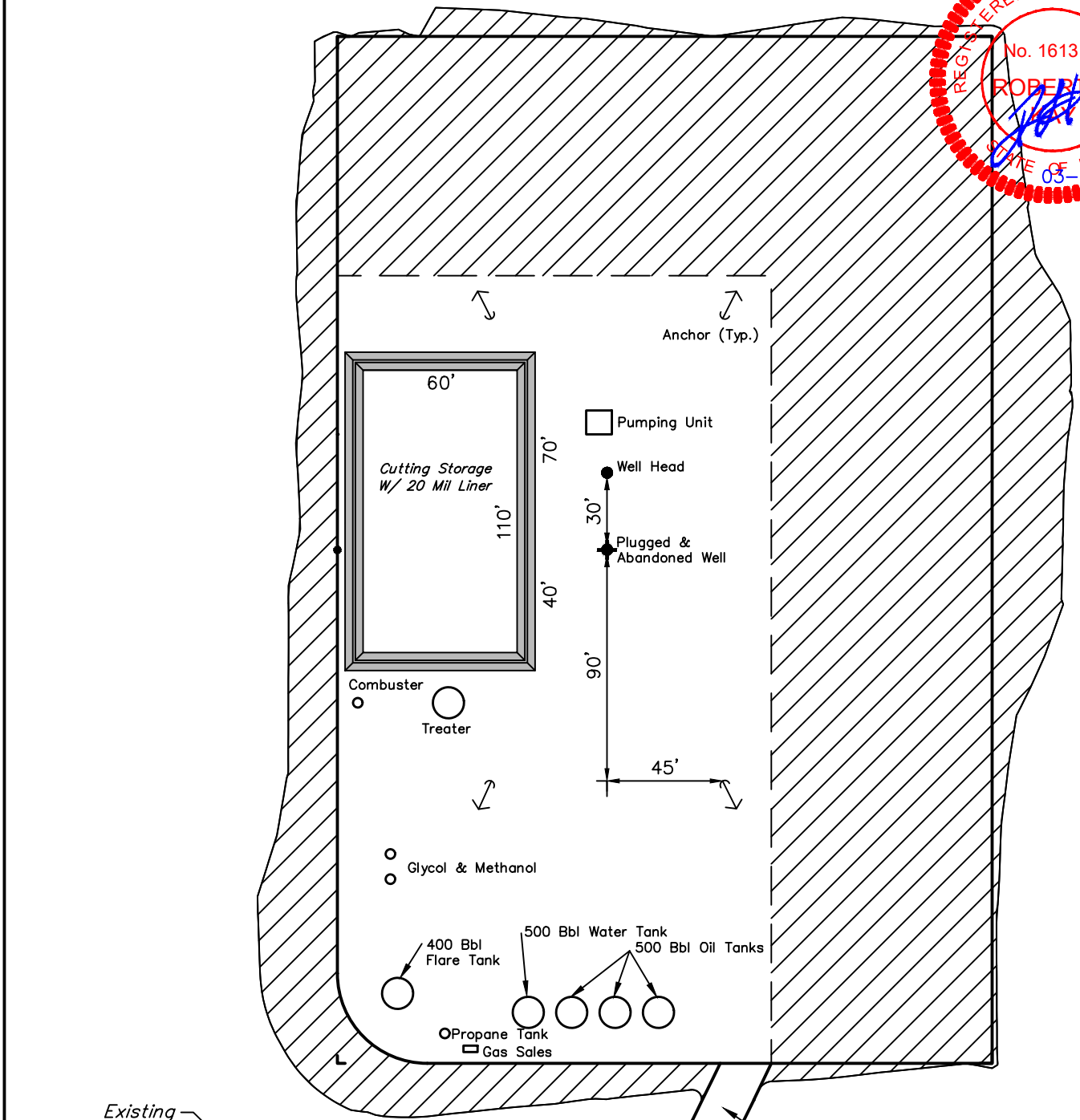
INTERIM RECLAMATION PLAN FOR

#4X-5D-45 BTR
SECTION 5, T4S, R5W, U.S.B.&M.
750' FNL 1262' FWL

FIGURE #4

SCALE: 1" = 60'
DATE: 07-18-11
DRAWN BY: S.B.
REV: 07-26-11
REVISED: 02-06-12 B.L.B.
REVISED: 02-20-12 B.L.B.
REVISED; 03-18-13 C.A.G.





APPROXIMATE ACREAGES
UN-RECLAIMED = ± 1.185 ACRES

INTERIM RECLAMATION

UINTAH ENGINEERING & LAND SURVEYING
*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*

RECEIVED: March 19, 2013

API Well Number: 43013521040000

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. 1420H626261

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator: BILL BARRETT CORPORATION
Contact: VENESSA LANGMACHER
E-Mail: vlangmacher@billbarrettcorp.com

8. Lease Name and Well No. 4-5D-45 BTR

3. Address: 1099 18TH STREET SUITE 2300, DENVER, CO 80202
3a. Phone No. (include area code): Ph: 303-312-8172

9. API Well No. 43-013-51242

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: NWNW Lot 4 755FNL 1292FWL
At top prod interval reported below: NWNW Lot 4 755FNL 1292FWL
At total depth: NWNW Lot 4 759FNL 1283FWL

10. Field and Pool, or Exploratory: ALTAMONT

11. Sec., T., R., M., or Block and Survey or Area: Sec 5 T4S R5W Mer UBM

12. County or Parish: DUCHESNE
13. State: UT

14. Date Spudded: 01/31/2013
15. Date T.D. Reached: 03/13/2013
16. Date Completed: ☒ D & A ☐ Ready to Prod.
17. Elevations (DF, KB, RT, GL)*: 5782 GL

18. Total Depth: MD 2087 TVD 2087
19. Plug Back T.D.: MD TVD
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	16.000 COND	65.0	0	80	80			0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)						
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #201974 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

RECEIVED: March 20, 2013

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
UNKNOWN

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth

32. Additional remarks (include plugging procedure):
Conductor was set on this well. When drilling reached 2083', a gas kick occured which created a flash fire on the rig floor. The well was then plugged and abandoned. The producedure is listed on the end of well report attached.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #201974 Verified by the BLM Well Information System.
For BILL BARRETT CORPORATION, sent to the Vernal

Name *(please print)* VENESSA LANGMACHER Title SENIOR PERMIT ANALYST

Signature (Electronic Submission) Venessa Langmacher Date 03/19/2013

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

Bill Barrett Corp

Duchesne County, UT (NAD 1927)
Sec. 5-T4S-R5W
4-5D-45 BTR

Plan A

Design: Sperry Final Survey

Sperry Drilling Services

Standard Report

19 March, 2013

Well Coordinates: 669,615.48 N, 2,285,536.19 E (40° 10' 02.28" N, 110° 28' 41.67" W)
Ground Level: 5,773.00 ft

Local Coordinate Origin:	Centered on Well 4-5D-45 BTR
Viewing Datum:	RKB 22' @ 5795.00ft (Nabors M22)
TVDs to System:	N
North Reference:	True
Unit System:	API - US Survey Feet - Custom

Geodetic Scale Factor Applied
Version: 2003.16 Build: 43I

HALLIBURTON

RECEIVED: March 20, 2013

Design Report for 4-5D-45 BTR - Sperry Final Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00
154.00	0.40	198.800	154.00	-0.51	-0.17	0.23	0.26
First Sperry MWD Survey @ 154.00' MD							
215.00	0.51	210.160	215.00	-0.95	-0.38	0.48	0.23
276.00	0.53	223.340	275.99	-1.39	-0.71	0.86	0.20
337.00	0.38	210.900	336.99	-1.76	-1.01	1.20	0.29
399.00	0.30	244.790	398.99	-2.01	-1.26	1.48	0.34
460.00	0.30	267.600	459.99	-2.08	-1.56	1.79	0.19
521.00	0.39	327.310	520.99	-1.92	-1.83	2.04	0.58
589.00	0.46	318.370	588.99	-1.52	-2.14	2.30	0.14
650.00	0.44	319.350	649.99	-1.16	-2.46	2.57	0.04
711.00	0.26	302.240	710.98	-0.91	-2.73	2.81	0.34
772.00	0.21	291.160	771.98	-0.79	-2.95	3.02	0.11
834.00	0.32	274.790	833.98	-0.74	-3.22	3.29	0.21
895.00	0.42	259.060	894.98	-0.76	-3.61	3.68	0.23
956.00	0.76	243.550	955.98	-0.99	-4.20	4.28	0.61
1,017.00	0.85	230.900	1,016.97	-1.45	-4.91	5.04	0.33
1,078.00	0.28	236.370	1,077.97	-1.82	-5.38	5.56	0.94
1,139.00	0.29	73.180	1,138.97	-1.86	-5.36	5.54	0.92
1,201.00	0.74	34.280	1,200.97	-1.48	-4.99	5.12	0.88
1,261.00	0.89	19.210	1,260.96	-0.72	-4.61	4.67	0.43
1,323.00	0.68	12.360	1,322.96	0.09	-4.38	4.34	0.37
1,384.00	0.31	357.440	1,383.95	0.61	-4.31	4.21	0.64
1,445.00	0.29	284.830	1,444.95	0.82	-4.46	4.34	0.58
1,508.00	0.60	240.480	1,507.95	0.69	-4.90	4.79	0.70
1,572.00	0.78	221.060	1,571.95	0.20	-5.48	5.42	0.46
1,635.00	0.52	238.730	1,634.94	-0.27	-6.01	6.00	0.52
1,698.00	0.52	295.550	1,697.94	-0.30	-6.51	6.50	0.79
1,762.00	0.72	312.860	1,761.94	0.10	-7.07	7.01	0.42
1,825.00	0.81	242.190	1,824.93	0.16	-7.75	7.68	1.41
1,888.00	1.31	206.950	1,887.92	-0.69	-8.47	8.49	1.27
1,951.00	0.99	193.220	1,950.91	-1.86	-8.92	9.08	0.67
2,015.00	0.77	176.380	2,014.90	-2.82	-9.02	9.29	0.53
Last Sperry MWD Survey @ 2015.00' MD							
2,087.00	0.77	176.380	2,086.89	-3.79	-8.96	9.34	0.00
Straight Line Projection to TD @ 2087.00' MD							

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
154.00	154.00	-0.51	-0.17	First Sperry MWD Survey @ 154.00' MD
2,015.00	2,014.90	-2.82	-9.02	Last Sperry MWD Survey @ 2015.00' MD
2,087.00	2,086.89	-3.79	-8.96	Straight Line Projection to TD @ 2087.00' MD

RECEIVED: March 20, 2013

Design Report for 4-5D-45 BTR - Sperry Final Survey

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/_S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	4-5D-45 BTR_BHL Plat	263.385	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
154.00	2,087.00	Sperry MWD Surveys	MWD

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
4-5D-45 BTR_BHL F	0.00	0.00	8,795.00	-55.72	-480.44	669,554.28	2,285,056.46	40° 10' 1.729 N	110° 28' 47.860 W
- actual wellpath misses target center by 6724.85ft at 2087.00ft MD (2086.89 TVD, -3.79 N, -8.96 E)									
- Point									
4-5D-45 BTR_ZONE	0.00	0.00	6,350.00	-55.72	-480.44	669,554.28	2,285,056.46	40° 10' 1.729 N	110° 28' 47.860 W
- actual wellpath misses target center by 4289.41ft at 2087.00ft MD (2086.89 TVD, -3.79 N, -8.96 E)									
- Rectangle (sides W200.00 H200.00 D2,445.00)									
4-5D-45 BTR_SHL	0.00	0.00	0.00	0.00	0.00	669,615.48	2,285,536.19	40° 10' 2.280 N	110° 28' 41.671 W
- actual wellpath hits target center									
- Point									
4-5D-45 BTR_Sectic	0.00	0.00	0.00	0.00	0.00	669,615.48	2,285,536.19	40° 10' 2.280 N	110° 28' 41.671 W
- actual wellpath hits target center									
- Polygon									
Point 1				-1,292.00	755.00	670,355.61	2,284,235.76		
Point 2				3,986.00	755.00	670,415.90	2,289,512.97		
Point 3				3,986.00	-1,857.00	667,804.29	2,289,542.81		
Point 4				-1,292.00	-1,912.00	667,689.01	2,284,266.22		
Point 5				-1,292.00	755.00	670,355.61	2,284,235.76		
4-5D-45 BTR_Setba	0.00	0.00	0.00	0.00	0.00	669,615.48	2,285,536.19	40° 10' 2.280 N	110° 28' 41.671 W
- actual wellpath hits target center									
- Polygon									
Point 1				-632.00	95.00	669,703.25	2,284,903.20		
Point 2				3,326.00	95.00	669,748.46	2,288,860.61		
Point 3				3,326.00	-1,857.00	667,796.75	2,288,882.90		
Point 4				-632.00	-1,912.00	667,696.55	2,284,926.13		
Point 5				-632.00	95.00	669,703.25	2,284,903.20		

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Bill Barrett Corp

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Duchesne County, UT (NAD 1927)

North Reference Sheet for Sec. 5-T4S-R5W - 4-5D-45 BTR - Plan A

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 22' @ 5795.00ft (Nabors M22). Northing and Easting are relative to 4-5D-45 BTR

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is 111° 30' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991560

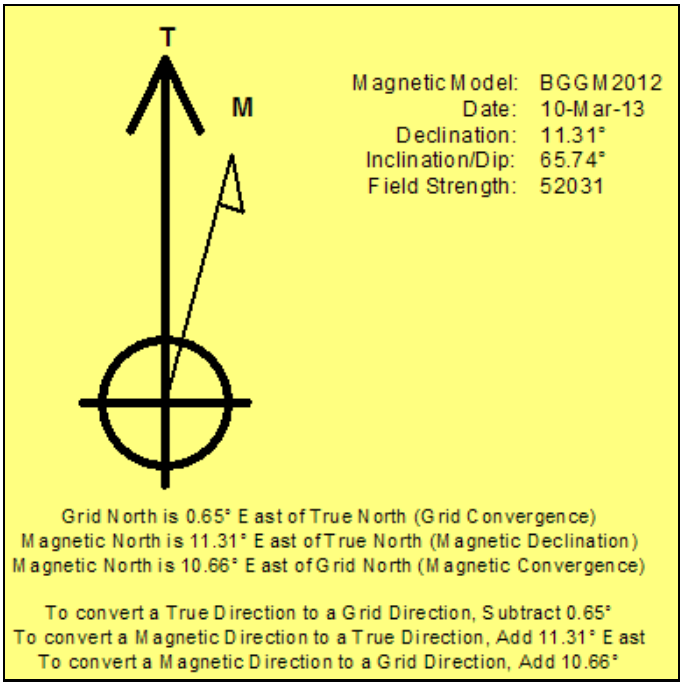
Grid Coordinates of Well: 669,615.48 ft N, 2,285,536.19 ft E

Geographical Coordinates of Well: 40° 10' 02.28" N, 110° 28' 41.67" W

Grid Convergence at Surface is: 0.65°

Based upon Minimum Curvature type calculations, at a Measured Depth of 2,087.00ft
the Bottom Hole Displacement is 9.73ft in the Direction of 247.07° (True).

Magnetic Convergence at surface is: -10.66° (10 March 2013, , BGGM2012)

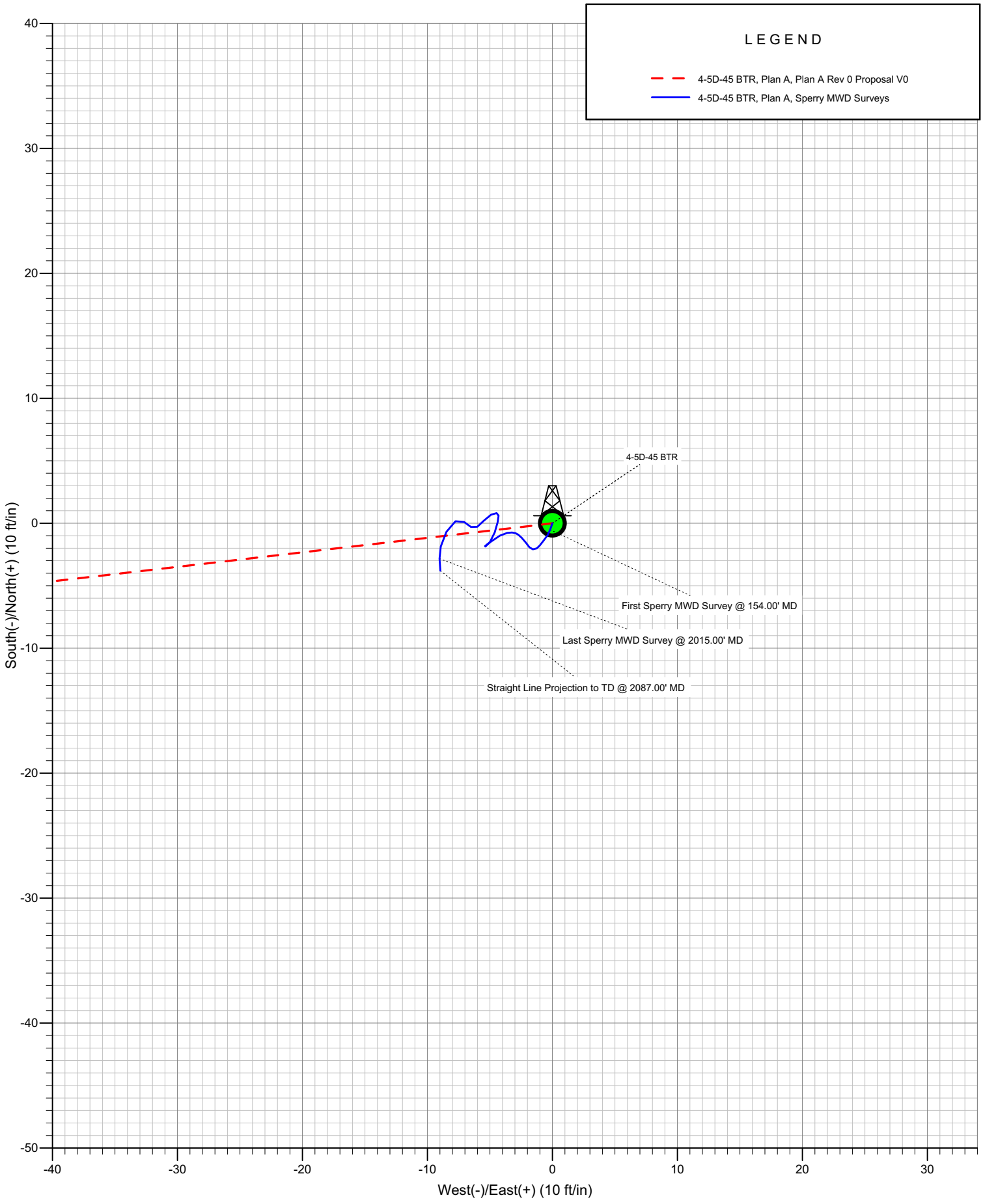


RECEIVED: March 20, 2013

Project: Duchesne County, UT (NAD 1927)
Site: Sec. 5-T4S-R5W
Well: 4-5D-45 BTR

Bill Barrett Corp

HALLIBURTON
Sperry Drilling

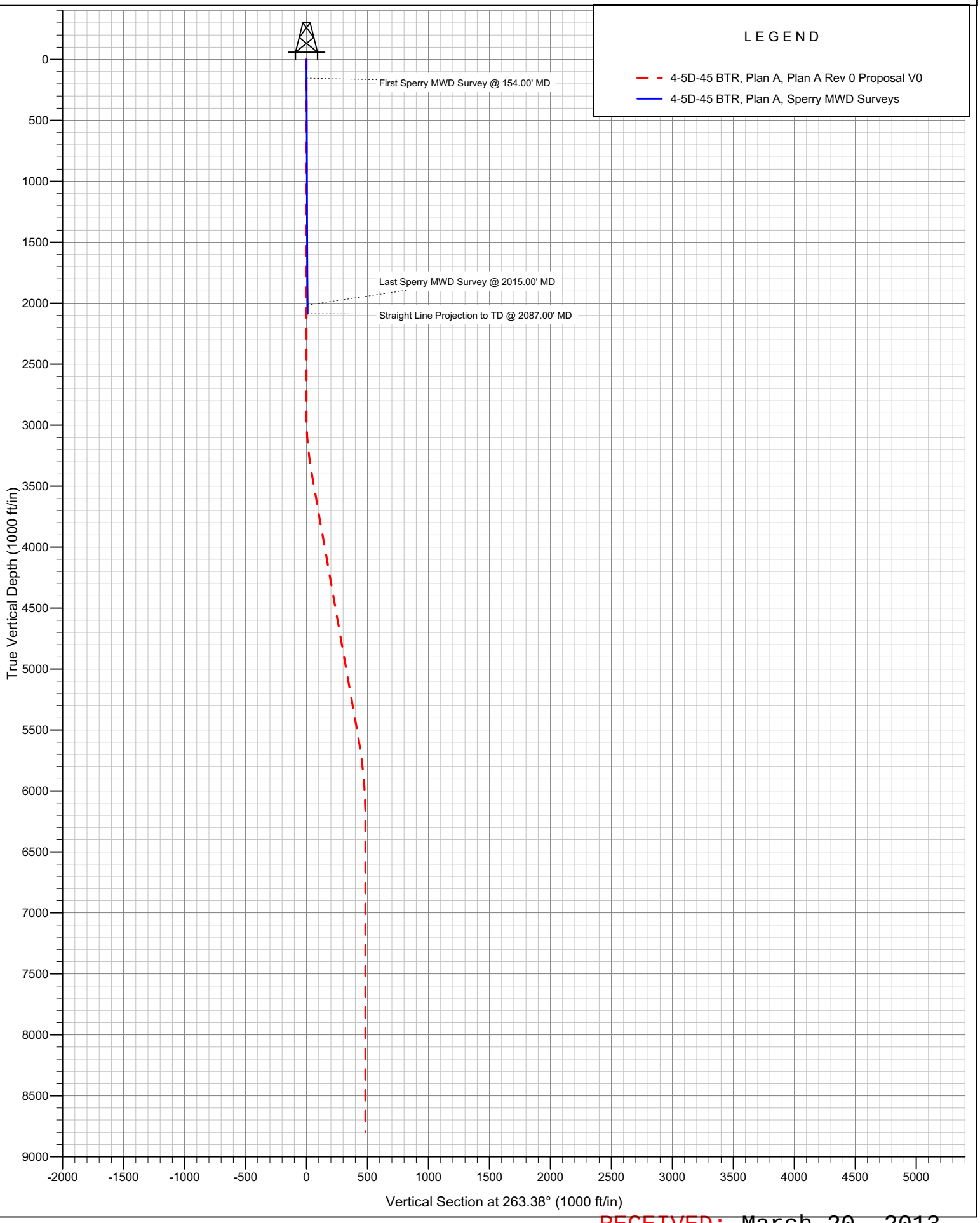


RECEIVED: March 20, 2013

Project: Duchesne County, UT (NAD 1927)
Site: Sec. 5-T4S-R5W
Well: 4-5D-45 BTR

Bill Barrett Corp

HALLIBURTON
Sperry Drilling



RECEIVED: March 20, 2013

Bill Barrett Corporation

4-5D-45 BTR 3/7/2013 22:00 - 3/8/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512420000	UT	Duchesne	Black Tail Ridge	DRILLING	0.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
22:00	8.00	06:00	1	RIGUP & TEARDOWN	Rig down Prepare for trucks. Move camps.

4-5D-45 BTR 3/8/2013 06:00 - 3/9/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512420000	UT	Duchesne	Black Tail Ridge	DRILLING	0.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	1	RIGUP & TEARDOWN	MIRU, Mud tanks and entire backyard set in.

4-5D-45 BTR 3/9/2013 06:00 - 3/10/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512420000	UT	Duchesne	Black Tail Ridge	DRILLING	0.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	1	RIGUP & TEARDOWN	Move and assemble Substructure and derrick. Derrick ready to raise.

4-5D-45 BTR 3/10/2013 06:00 - 3/11/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512420000	UT	Duchesne	Black Tail Ridge	DRILLING	0.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	20.00	02:00	1	RIGUP & TEARDOWN	Raise derrick, Continue rig up.
02:00	2.50	04:30	21	OPEN	Rig up conductor, flowline and turnbuckles.
04:30	1.50	06:00	21	OPEN	Rack & strap BHA

4-5D-45 BTR 3/11/2013 06:00 - 3/12/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512420000	UT	Duchesne	Black Tail Ridge	DRILLING	0.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	20	DIRECTIONAL WORK	P/U dir tools & orient drill to 179'
13:00	0.50	13:30	7	LUBRICATE RIG	Rig service
13:30	5.00	18:30	2	DRILL ACTUAL	Drlg 179-317'.
18:30	0.50	19:00	7	LUBRICATE RIG	Rig service
19:00	11.00	06:00	2	DRILL ACTUAL	Drlg 317-997'. Survey @ 895' .42 inc 259 az. MW 8.6+#/gal 39 vis

4-5D-45 BTR 3/12/2013 06:00 - 3/13/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512420000	UT	Duchesne	Black Tail Ridge	DRILLING	0.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	20.50	02:30	2	DRILL ACTUAL	Drill 997' - 2083'.
02:30	3.50	06:00	21	OPEN	Took gas kick, circulated pits & weight up to 9.5 ppg. Gas bubble to surface @ 05:00, flash fire on floor. Drill line parted @ 05:15, dropped top drive to floor. @ 06:00 circulating 9.5 kill mud @ 110 strokes, 1200 psi.

4-5D-45 BTR 3/13/2013 06:00 - 3/14/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512420000	UT	Duchesne	Black Tail Ridge	DRILLING	0.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	5	COND MUD & CIRC	Circulate well @ 110 strokes, 9.5 ppg, 46 vis until 23:00, raised mw to 9.8 ppg. BBC and Nabors safety standdown, planning for remedial action.

4-5D-45 BTR 3/14/2013 06:00 - 3/15/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512420000	UT	Duchesne	Black Tail Ridge	DRILLING	0.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	5	COND MUD & CIRC	Circulate well @ 110 strokes, 1200 psi. Fire marshall inspected rig. Rigged up 500 ton crane, pulled catwalk out of way.

Bill Barrett Corporation

4-5D-45 BTR 3/15/2013 06:00 - 3/16/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512420000	UT	Duchesne	Black Tail Ridge	DRILLING	0.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	13.00	19:00	5	COND MUD & CIRC	Circulate well @ 110 strokes, 1200 psi. Put counterweights on crane, tied on to top drive. Flow check, pull top drive up and set slips. Cut drilling line and tie off, remove blocks. Establish PIR (1 bpm-41 psi;2 bpm-60 psi;3 bpm-143 psi).
19:00	2.50	21:30	21	OPEN	R/U DCT wireline, perforate HWDP @ 1666'.
21:30	6.00	03:30	5	COND MUD & CIRC	C&C hole/wait on cement.

4-5D-45 BTR 3/16/2013 06:00 - 3/17/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512420000	UT	Duchesne	Black Tail Ridge	DRILLING	0.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	5	COND MUD & CIRC	Circulate well @ 70 strokes, 725 psi/wait on cement.
12:00	2.00	14:00	17	PLUG BACK	HSM. R/U HES. Pressure test to 3000 psi, pump 30 bbls tuned lite spacer @ 10.5 ppg, 4.15 yld, 27.82 gps H2O. Mix and pump 610 sx(247 bbls) tuned light cement @ 11 ppg, 2.28 yld, 10.48 gps H2O @ 4 bpm. Pump 3.5 bbls to clear lines. Full returns, max pressure 400 psi. Returned 25 bbls cmt to surface. Cement fell 6" in 45 minutes. Drained and flushed conductor. Cement job witnessed and okayed by Glade Rich of Vernal BLM.
14:00	16.00	06:00	13	WAIT ON CEMENT	Wait on cement. Checked cmt @ 23:00, too soft to cut off.

4-5D-45 BTR 3/17/2013 06:00 - 3/18/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512420000	UT	Duchesne	Black Tail Ridge	DRILLING	0.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	13	WAIT ON CEMENT	WOC. Repair rig.
10:00	6.00	16:00	21	OPEN	Used gas sniffer on DP and conductor, no indications of gas. Cut on conductor, Gas indications up through cement. Cut off conductor and DP, weld 1/2" plate w/2" 3000# ball valve on top of conductor. Well contained, BLM and State contacted.
16:00	14.00	06:00	8	REPAIR RIG	Removed and replaced top drive, blocks, ST-80 iron roughneck. Drawworks readied for removal.

Dustin Doucet< dustindoucet@utah.gov>

4-5D-45 BTR P&A well

1 message

Brent Murphy< BMurphy@billbarrettcorp.com> Wed, Mar 20, 2013 at 8:53 AM
To: "dustindoucet@utah.gov" <dustindoucet@utah.gov>
Cc: Venessa Langmacher <vlangmacher@billbarrettcorp.com>, Troy Schindler <tschindler@billbarrettcorp.com>, Cory Thomas <cthomas@billbarrettcorp.com>, Naborsm22 <naborsm22@bbccontractors.com>

Dustin,

As per our conversation yesterday concerning the P&A'd 4-5D-45 BTR, we plan to do the following:

- Continue to monitor and vent the well via a vent line away from the rig. The well gives a very slight blow and builds to 55 psi max in 35 min.
- Tourly walk the area around the well, inspecting for any gas coming up to the surface.
- We will set 80' of 16" conductor for the replacement well 4X-5D-45 BTR using 9.5 ppg mud and pressure cement to surface. This well will be located 30' west.
- Skid the rig to the 4X-5D-45 BTR.
- Install a diverter on the 16" conductor. A gas detector and mudlogger will be used to monitor the new well.
- Drill the surface hole with a minimum of 9.5 ppg mud, increasing as necessary based on well conditions and gas levels while drilling.
- Surface will be set at 2800' and cemented to surface.
- Continue to vent the P&A'd well, and inspect the area for gas coming to the surface
- The 4-5D-45 BTR will be monitored/vented as necessary in the future and any changes noted.

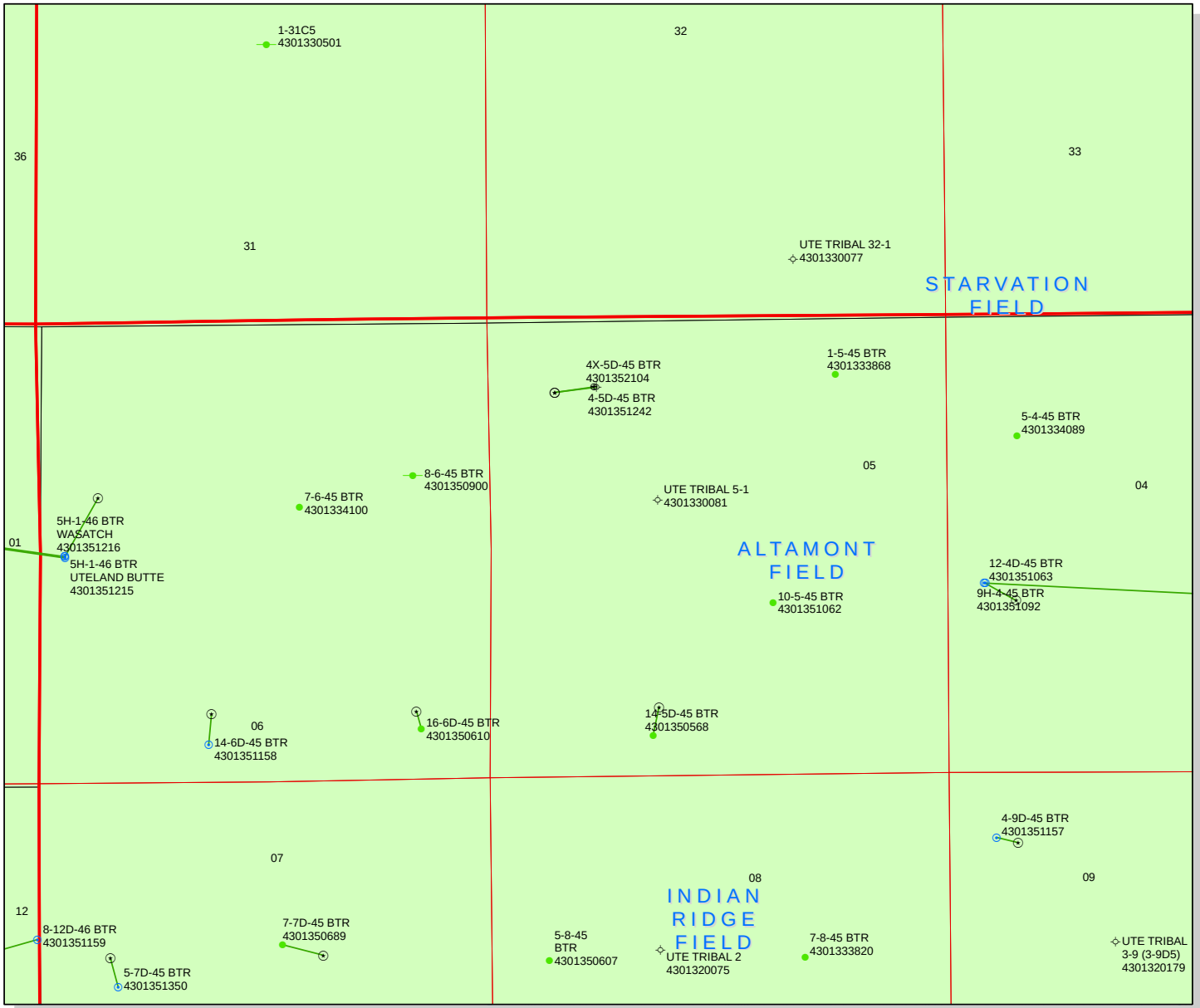
Thanks

Brent Murphy

Sr. Drilling Engineer

Bill Barrett Corporation

API Well Number: 43013521040000



API Number: 4301352104

Well Name: 4X-5D-45 BTR

Township T04.0S Range R05.0W Section 05

Meridian: UBM

Operator: BILL BARRETT CORP

Map Prepared:
Map Produced by Diana Mason

Units

STATUS

- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS

- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

1,500 750 0 1,500 Feet

1:14,255

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/19/2013
API NO. ASSIGNED: 43013521040000
WELL NAME: 4X-5D-45 BTR
OPERATOR: BILL BARRETT CORP (N2165)
PHONE NUMBER: 303 312-8172
CONTACT: Venessa Langmacher

PROPOSED LOCATION: NWNW 05 040S 050W
Permit Tech Review: ☑

SURFACE: 0750 FNL 1262 FWL
Engineering Review: ☐

BOTTOM: 0810 FNL 0810 FWL
Geology Review: ☑

COUNTY: DUCHESNE
LATITUDE: 40.16711
LONGITUDE: -110.47921
UTM SURF EASTINGS: 544346.00
NORTHINGS: 4446435.00
FIELD NAME: ALTAMONT
LEASE TYPE: 2 - Indian
LEASE NUMBER: 1420H626261
PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH
SURFACE OWNER: 2 - Indian
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** INDIAN - LPM8874725
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 43-180
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 139-85
Effective Date: 3/11/2010
Siting: 4 Prod LGRRV-WSTC Wells

- ☑ **R649-3-11. Directional Drill**

Comments: Presite Completed
RIGSKID FR 4301351242:

Stipulations:
4 - Federal Approval - dmason
15 - Directional - dmason
22 - Rigskid - dmason

RECEIVED: March 21, 2013

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: 4X-5D-45 BTR
API Well Number: 43013521040000
Lease Number: 1420H626261
Surface Owner: INDIAN
Approval Date: 3/21/2013

Issued to:
BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-85. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

All conditions of approval in the Statement of Basis and RDCC comments from (original well name) permit apply to (new well name).

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:
- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at http://oilgas.ogm.utah.gov

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

April 11, 2013

Brent Murphy
Bill Barrett Corp.
1099 18th Street Ste. 2300
Denver, CO 80202

Re: APD Rescinded – 4X-5D-45 BTR, Sec. 5, T. 4S, R. 5W
Duchesne County, Utah API No. 43-013-52104

Dear Mr. Murphy:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on March 21, 2013. On April 11, 2013, you requested that the division rescind the state approved APD. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective April 11, 2013.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114 -5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR
OIL, GAS & MINING

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Green River District
Vernal Field Office
170 South 500 East
Vernal, UT 84078
http://www.blm.gov/ut/st/en/fo/vernal.html

April 16, 2013

IN REPLY REFER TO:
3160 (UTG011)

Venessa Langmacher
Bill Barrett Corporation
1099 18th Street, Suite 2300
Denver, CO 80202

43 013 52104

Re: Request to Return APD
Well No. 4X-5D-45 BTR
Lot 4, Sec. 5, T4S, R5W
Duchesne County, Utah
Lease No. 14-20-H62-6261

Dear Venessa:

The Application for Permit to Drill (APD) for the above referenced well received in this office on March 19, 2013, is being returned unapproved per a request by Tracey Fallang to this office in an email message to Land Law Examiner Robin R. Hansen received on April 16, 2013. If you intend to drill at this location at a future date, a new APD must be submitted.

If you have any questions regarding APD processing, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka
Assistant Field Manager
Lands & Resource Minerals

Enclosures

cc: UDOGM

bcc: Well File